VPi

The Guide

FACADES & ETICS

2021
2022

VICAT
PRODUITS
INDUSTRIELS

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THE VICAT GROUP SECOND FIX BRAND

VPI DESIGNS, MANUFACTURES AND MARKETS

A multi-specialist offer of more than 250 products and systems (tile laying products, façade renders, industrial mortars). VPI's technical solutions are intended for building trade professionals and are distributed through a network of materials dealers throughout France.

VPI, a **multi-specialist manufacturer** of **renowned quality**

VPI, **involved and autonomous** employees and a company that **favours reactivity** to **quickly meet your needs:** a single sales contact

VPI, a company with **a structured and local commercial approach**

Technical and commercial expertise in the field
- 40 multi-specialist technical sales representatives
- National and Regional Development Managers specialised by product universe
- Advice, promotional support and adaptation to regional specificities

Innovating and easy-to-use products
- To help our clients succeed their projects
- From thought to action, the VPI teams provide all the expertise the construction industry needs

High-performance products
- To respond to market developments
- To give our users added value

A VICAT GROUP COMPANY

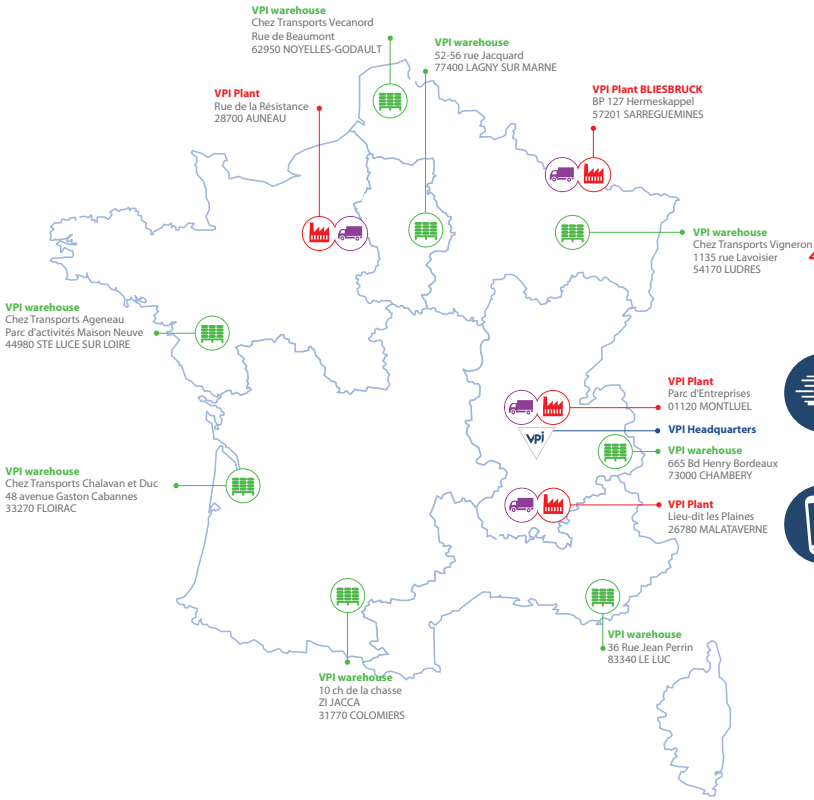
VICAT, a French cement group, provides **efficient solutions** to the **construction market** players with its materials, products and services. Cement is the Group's core business. A family heritage enriched and developed since Louis Vicat and his invention of artificial cement in 1817.
The Vicat group has built up all the know-how needed for the construction industry around this founding business, such as concrete, aggregates and the formulated mortars produced by its subsidiary VPI.

IN A FEW FIGURES:

2.7 M€ of turnover
(2019)

12 countries

9,950 employees worldwide



AN INDUSTRIAL TOOL OFFERING POWER AND FLEXIBILITY

4 PRODUCTION SITES

4 LOGISTICS PLATFORMS

8 WAREHOUSES

A national logistics coverage

- Reactivity and flexibility to meet our customers' needs

Customer support

- Product engineers available by phone to provide answers related to the choice or application of VPI products and solutions
- Application advisers to support construction sites

0 800 24 55 55 Free service & call

Products that respect the environment and health

- For the comfort of our customers
- For the future of the planet

All sites are certified

- **Q**uality ISO 9001
- **S**afety OHSAS 18001
- **E**nvironment ISO 14001

ISO 9001
ISO 14001
ISO 45001

Checking and certification

VPI makes every effort to provide products of which the quality is recognised, measured and certified by professional organisations such as the CSTB.

As part of a voluntary approach, VPI has chosen to have its products classified using the Emicode Certification, which is much more demanding than the French regulations. VPI offers a complete EC1 Plus certified solution from our Primers, Levelling, Adhesives, Grouting and SEL ranges.

EMISSIONS IN INTERIOR AIR* A+

VPI contributes to the improvement of indoor air quality by reducing VOC emissions. (Volatile Organic Compounds). The emission classes of VPI products are among the best on the market.

SELECTION GUIDES

TINTED OR GREY SINGLE-LAYER RENDERS

		RENDER CATEGORY	AUTHORISED BASES	GRAIN	POSSIBLE FLOATED FINISH
ZONE 1	ENDUNI Pages 52/53	OC1	Rt1, Rt2 and Rt3	Medium	Small surface areas
	MONOCAL GF Pages 26/27	OC2	Rt2 and Rt3	Fine	Standard parts
	MONOCAL GM Pages 28/29	OC2	Rt2 and Rt3	Medium	Small surface areas
	MONOCAL BLANC POLAIRE Pages 30/31	OC2	Rt2 and Rt3	Fine	Standard parts
	MONOROC GF Pages 38/39	OC3	Rt3	Fine	Standard parts
	MONOROC GM Pages 40/41	OC3	Rt3	Medium	Small surface areas
	MONOROC BLANC POLAIRE Pages 42/43	OC3	Rt3	Fine	Standard parts
	MONOPASS ÉCO GRIS Pages 54/55	OC1	Rt1, Rt2 and Rt3	Medium	Standard parts
	MONOCAL GF GRIS Pages 32/33	OC2	Rt2 and Rt3	Fine	Standard parts
	MONOROC GF GRIS Pages 44/45	OC3	Rt3	Fine	Standard parts
ZONE 2	ENDUNI Pages 52/53	OC1	Rt1, Rt2 and Rt3	Medium	Small surface areas
	MONOPASS GF Pages 22/23	OC1	Rt1, Rt2 and Rt3	Fine	Standard parts
	MONOPASS GM Pages 24/25	OC1	Rt1, Rt2 and Rt3	Medium	Small surface areas
	MONOCAL BLANC POLAIRE Pages 30/31	OC2	Rt2 and Rt3	Fine	Standard parts
	MONOLOR GF Pages 34/35	OC2	Rt2 and Rt3	Fine	Standard parts
	MONOROC GM Pages 40/41	OC3	Rt3	Medium	Small surface areas
	MONOROC BLANC POLAIRE Pages 42/43	OC3	Rt3	Fine	Standard parts
	MONOPASS ÉCO GRIS Pages 54/55	OC1	Rt1, Rt2 and Rt3	Medium	Standard parts
	MONOLOR GF GRIS Pages 36/37	OC2	Rt2 and Rt3	Fine	Standard parts
	MONOROC GF GRIS Pages 44/45	OC3	Rt3	Fine	Standard parts

APPLICATION ON IN-GROUND WALLS	APPLICATION	CONSUMPTION WATERPROOFING AND DECORATION
No	Manual Mechanical	· Rough: 18 kg/m² · Scratched: 21 kg/m²
Yes	Mechanical	· Rough: 18 kg/m² · Scratched: 21 kg/m² · Floated: 18 kg/m²
Yes	Mechanical	· Rough: 18 kg/m² · Scratched: 21 kg/m²
Yes	Mechanical	· Rough: 18 kg/m² · Scratched: 21 kg/m² · Floated: 18 kg/m²
Yes	Mechanical	· Rough: 21 kg/m² · Scratched: 24 kg/m² · Floated: 21 kg/m²
Yes	Mechanical	· Rough: 22 kg/m² · Scratched: 25 kg/m²
Yes	Mechanical	· Rough: 21 kg/m² · Scratched: 24 kg/m² · Floated: 21 kg/m²
No	Mechanical	· Floated: 14 to 18 kg/m²
Yes	Mechanical	· Floated: 18 kg/m²
Yes	Mechanical	· Floated: 21 kg/m²
No	Manual Mechanical	· Rough: 18 kg/m² · Scratched: 21 kg/m²
No	Mechanical	· Rough: 18 kg/m² · Scratched: 21 kg/m² · Floated: 18 kg/m²
No	Mechanical	· Rough: 18 kg/m² · Scratched: 21 kg/m²
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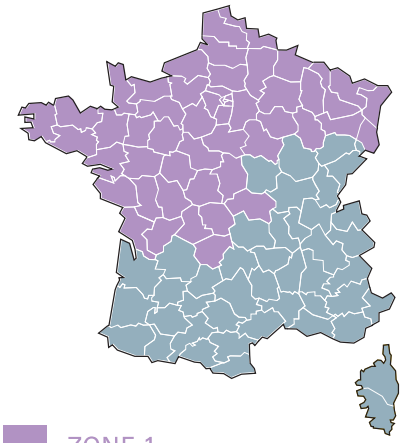


ZONE 1

ZONE 2

TRADITIONAL RENDERS FOR NEW BASES

	COMPRESSIVE STRENGTH CLASS	BASES	GRAIN	POSSIBLE FLOATED FINISH
TRADIROC Pages 56/59	CS IV	Rt3	Medium	Small surface areas
TRADIBÂTARD GM BLANC Pages 60/63	CS III	Rt2 and Rt3	Medium	Small surface areas
TRADIBÂTARD GM GRIS Pages 60/63	CS III	Rt2 and Rt3	Medium	Small surface areas
TRADIBÂTARD GF GRIS Pages 64/65	CS II	Rt2 and Rt3	Fine	Standard parts

RENOVATION SYSTEMS FOR OLD BUILDINGS

SUB-RENDER

		APPLICATION	CONSUMPTION
RÉNOPASS CHAUX CLAIR Pages 66/67	White lime render body	· Manual · Pressure vessel · Spraying machine	15 to 16 kg/m² and per cm of thickness

FINISHES

		APPLICATION	FINISH APPEARANCE	CONSUMPTION
RÉNOPASS CHAUX GM Pages 68/69	Mineral lime facing render (medium grain)	· Manual · Pressure vessel · Spraying machine	· Medium Scratch · Rough sprayed · Rough crushed	9 to 11 kg/m²
		- Spray machine	- Spray machine	5 to 6 kg/m²
RÉNOPASS CHAUX GF Pages 68/69	Mineral lime facing render (fine grain)	· Manual · Pressure vessel · Spraying machine	· Fine scratched · Rough sprayed · Rough crushed · Floated	9 to 11 kg/m²

TILED FINISH	TERRACOTTA BRICK FINISH	1ST LAYER	2ND LAYER	CONSUMPTION
Standard parts	Standard parts	Yes	Yes	16 kg/m² and per cm of thickness
Small surface areas	Standard parts	Yes	Yes	16 kg/m² and per cm of thickness
Small surface areas	Standard parts	Yes	Yes	16 kg/m² and per cm of thickness
No	No	No	Yes	17 kg/m² and per cm of thickness

RENOVATION PLASTER FOR EXISTING MASONRY

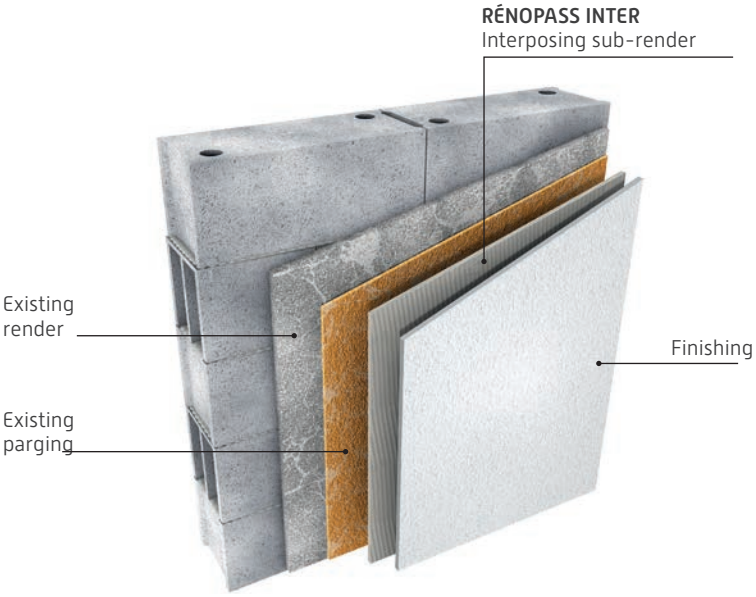
	APPLICATION	CONSUMPTION
RÉNOJET CLAIR Pages 74/75	• Manual • Pressure vessel • Spraying machine	15 to 17 kg/m² and per cm of thickness

POINTING MORTARS

	AUTHORISED POINTING BASES	COLOUR CHART	CONSUMPTION
TRADIJOINT Pages 50/51	Brick Facing bricks	16 colours	Depending on the pointing width and depth: • On brick: 7 to 12 kg/m² • On stone: 10 to 12 kg/m² • On facing bricks: 5 to 10 kg/m²
RÉNOPASS CHAUX GM Pages 68/69	Stone	59 colours	
ENDUNI Pages 52/53	Brick Stone	59 colours	

RENOPASS INTER SYSTEM

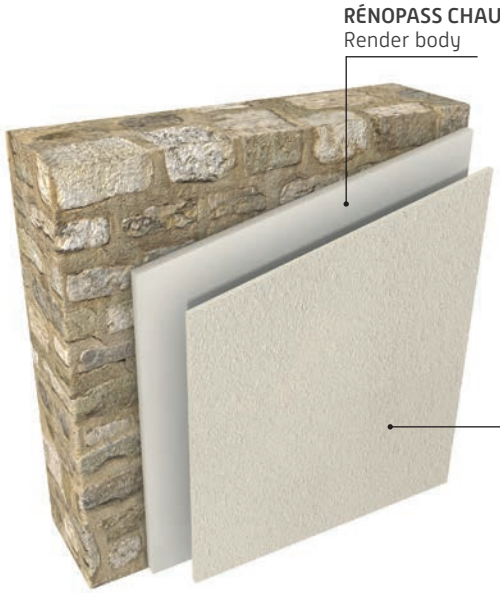
Complete house renovation in only 48 hours



- On old paint, TPC and old renders
- On old glass paste or old stoneware (maximum dimensions 2 x 2 cm or 5 x 5 cm)
- No stripping or meshing required
- **EXCLUSIVE** time before finishing 12 hours
- **Easy to apply:** manually or using a machine
- **Wide choice of colours and finishes:** single-layer renders, lime renders, TPC or paint
- **Low consumption:** 1 pallet = 1 house

RÉNOPASS CHAUX SYSTEM

Healthy and breathable renders for stone, old bricks, adobe, loam, clinker masonry



- 60 colours available (adapted to regional architectural specificities)
- Excellent machine passage
- Easy to apply
- Good load bearing capacity

Excell Gold Label*
Suitable for the wine-producing environment

** These products have been awarded the Excell Gold Label for their high quality requirements which exceed applicable regulations on indoor air emissions.*

SELECTION GUIDES

ORGANIC AND SILOXANE
BASED DECORATIVE RENDERS

		VERY FINE FLOATED	FINE FLOATED	FINE FLOATED	MEDIUM FLOATED	ROUGH FLOATED	FINE RIBBED
							
	Maximum grading size	0.7 mm	1 mm	1.2 mm	1.6 mm	2 mm	1.6 mm
	Consumption	**1.5 kg/m²**	**2 kg/m²**	**2 to 2.5 kg/m²**	**2.5 to 3 kg/m²**	**2.5 to 3 kg/m²**	**2 to 2.5 kg/m²**
Organic decorative render	CREPILOR Pages 80/81	-	-	CRÉPILOR T	CREPILOR TM	CRÉPILOR GT	CREPILOR GF
Organic-mineral decorative render	CREPILANE Pages 82/83	-	-	CRÉPILANE T	CREPILANE TM	-	-
Mineral coating	LITHOCOLOR Pages 84/85	-	-	LITHOCOLOR T	-	-	LITHOCOLOR F
Decorative organic-mineral render	CRÉALANE T Pages 88/89	-	CRÉALANE T	-	-	-	-
Decorative organic-mineral render	CRÉALANE MODELABLE Pages 90/91	CRÉALANE MODELABLE	-	-	-	-	-

Decorative renders **CREPILOR**, **CRÉPILANE** and **LITHOCOLOR** are:

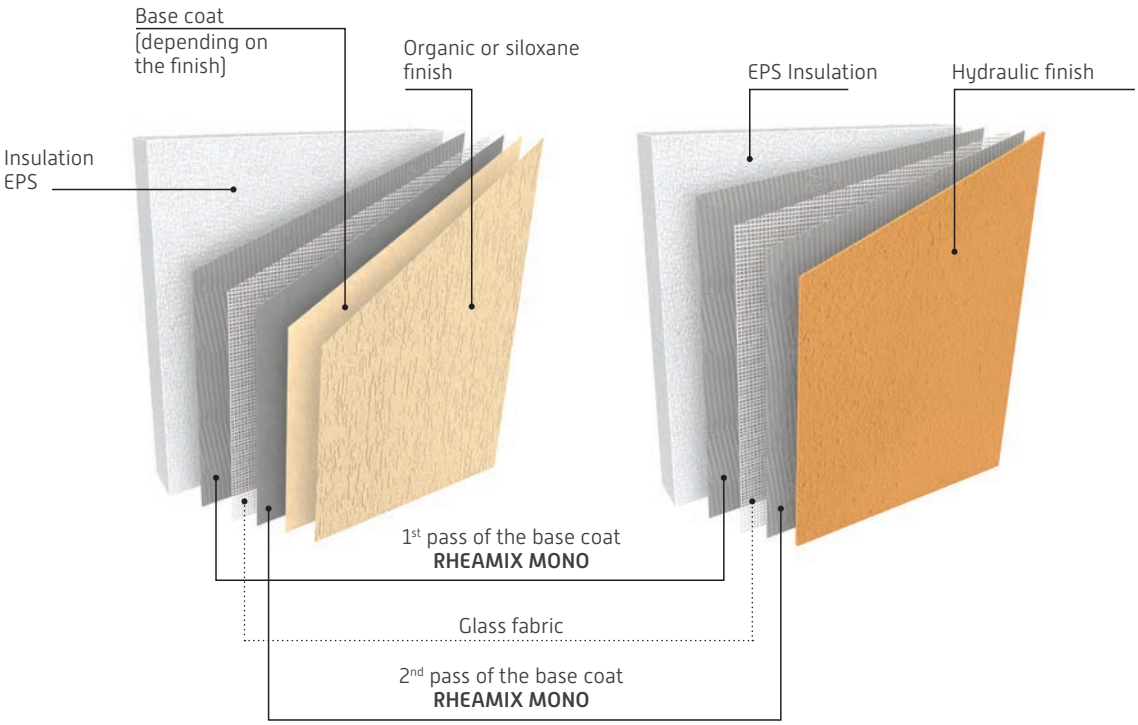
- available in the 680 "Decorative render / Paint" colour chart colours
- for use as a finish for exterior thermal insulation systems **RHÉA 400**, **RHÉATHERM 600**, **RHEATHERM 600 LR**, **RHEATHERM 600 MOB** (only for the 465 colours with a solar absorption coefficient < 0.7)

Decorative renders **CRÉALANE T** and **CREALANE MODELABLE** are:

- available in 611 colours
- for use as a finish for exterior thermal insulation systems **RHÉATHERM 600** and **RHEATHERM 600 LR** (colours with a solar absorption coefficient < 0.7)

RHÉATHERM 600

RHÉAMIX MONO thin hydraulic render for EPS insulation



- Manual or machine application
- Organic, siloxane or hydraulic finish
- New and renovation
- Fire protection using rock wool bands

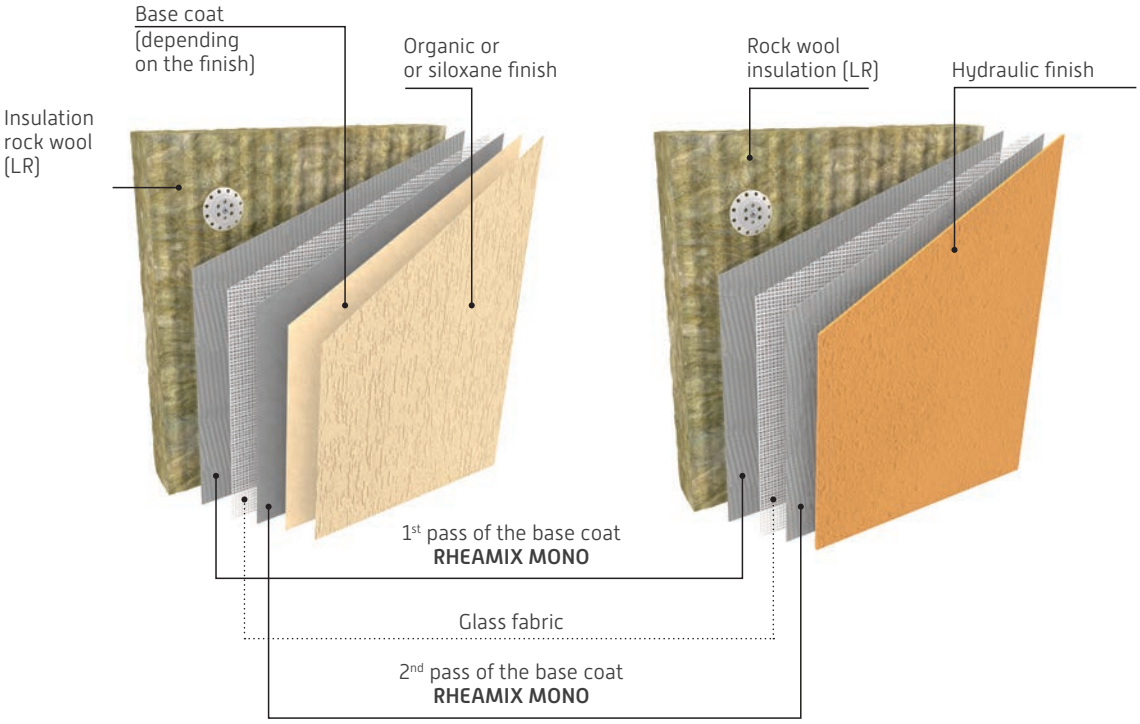
European Technical Assessments:
valid

Technical Application Document:
valid

European fire classification report:
valid

RHEATHERM 600 LR

RHÉAMIX MONO thin hydraulic render on Rockwool insulation



- Manual or machine application
- Organic, siloxane or hydraulic finish
- New and renovation

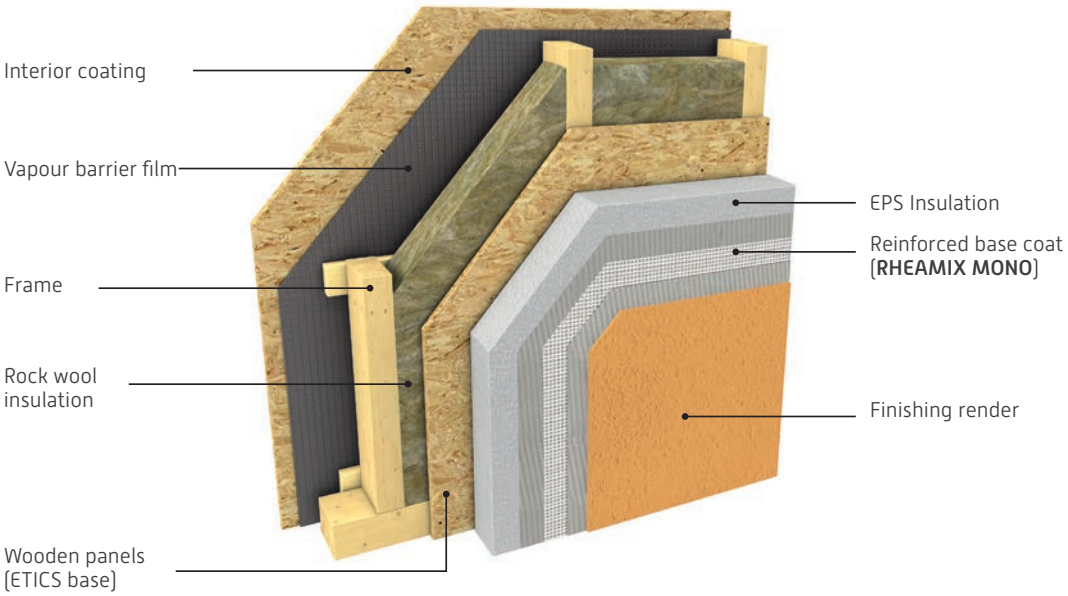
European Technical Assessments:
valid

Technical Application Document:
valid

European fire classification report:
valid

RHEATHERM 600 MOB

RHÉAMIX MONO thin hydraulic render on EPS insulation for wood-frame constructions

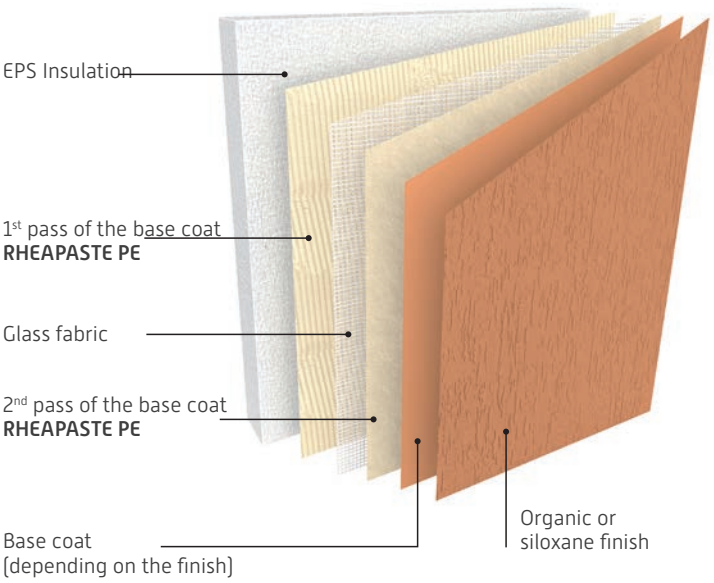


- Manual or machine application
- Organic, siloxane or hydraulic finish
- New and renovation

Technical Application Document:
valid

RHÉA 400

RHÉAPÂTE PE thin organic render on EPS insulation



- Manual application
- Organic or siloxane finish
- New build or refurbishment

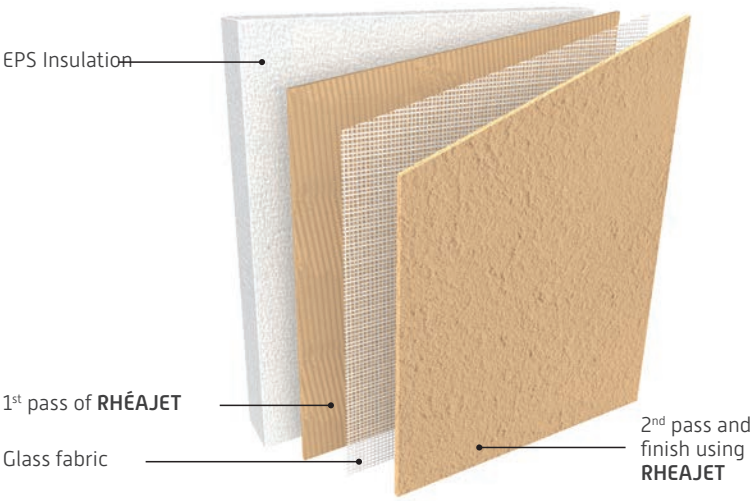
European Technical Assessments:
valid

Technical Application Document:
valid

European fire classification report:
valid

RHÉATHERM 500

RHEAJET thick hydraulic render on EPS insulation



- Application in 2 passes using a spraying machine
- 3-in-1 base coat: bonding or blocking, base and finish coat
- Traditional hydraulic finish Rough or Scratched
- New build or refurbishment

European Technical Assessments:
valid

Technical Application Document:
valid

European fire classification report:
valid

VPI SIGNATURE

SIGN YOUR STYLE

- Aesthetic appearance
- Wide range of possible combinations
- **20 render colours , 7 patina colours**
- Easy to apply solution
- Simple range of tools
- Render compatible with Rt2-Rt3 bases
- Can be buried
- Mineral render qualities:
  - Durability
  - Maintenance
  - Rot-proof
  - Non-combustible

SIGNATURE

Sign and customise your facades with colour, relief, pattern, texture effect thanks to an easy to apply render and tool solution.
Create, combine appearances and colours to give your projects and finished works new perspectives.

STYLE

In a specially formulated render from VPI's R&D, the pattern is drawn by printing and stamping using specific, easy-to-use tools.
The colour is obtained by the render mineral shade plus the possible addition of a patina to highlight the relief and nuances.

3 CREATIVE WORLDS TO GIVE YOUR PROJECTS FREE REIN

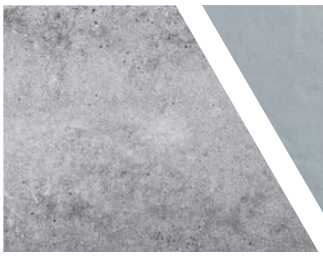
VEGETAL
LOOK

THE WARMTH OF WOOD SPECIES

MINERAL
LOOK

THE TRADITIONAL AND MINERAL APPEARANCE OF ROCK

URBAN
LOOK



THE URBAN LOOK WITH TEXTURED EFFECTS

VPI MINERAL RENDERS

are developed and manufactured in France from local sands, pigments and binders extracted from natural materials.

VPI SIGNATURE

ARCHITECTURAL RENDERINGS

CREATE TEXTURES, RELIEF, MATERIAL EFFECTS

- **Aesthetic appearance**
- **3 creative worlds: Vegetal, Mineral, Urban**
- **Easy to apply solution**
- **Simple range of tools**

OC2

CE

PRODUCT INFORMATION

Consumption
1.6 kg/m² per mm of thickness

Colours
20 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

Supply (details on pages 6-7)
VPI SIGNATURE is available in all regions.
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the render colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Architectural render used to reproduce material appearances, relief and texture.
Waterproofing and decoration of the types of building facades.

Authorised bases
- Rt2 or Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard.
  Examples: bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with class CS III or CS IV render body as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing temperatures in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:**
  Fill it before rendering.
- **Overplus and excess thickness:**
  Eliminate them mechanically.
- Mechanical masonry joins/wall ties and joins between heterogeneous bases:
  Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete, and old render:**
  It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:**
  Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- Terracotta brick masonry of all types:
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

* **To prepare a base coat using VPI LATEX:**
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: **4.3 to 4.8 L** of water per 25 kg bag.
- Mixing time: 5 min. Keep the same duration for each batch.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour

- **VPI SIGNATURE** render is applied in compliance with the NF-DTU 26.1 - April 2008 standard.
- Applications must be at a temperature of between +5°C and +30°C.
- Do not work in wet weather or if there is any risk of freezing temperatures in the hours after application.
- Regardless of the selected finish and appearance, the render thickness must not be less than 10 mm at any protruding spot of masonry.
- Refer to the application sheets for each aspect.

- Clean the tools with water while the product is fresh.

DÉMOULANT

VPI SIGNATURE RANGE

SPRAYABLE RELEASE AGENT

- **Prevents dies and rollers from sticking to the surface**
- **Secures the application of the aspects**
- **Sprayable**
- **Easy to apply**

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
125 g/m²

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
20 L container

SPECIFICATIONS AND PERFORMANCES

Appearance: colourless liquid
Density: 1.0

FIELD OF USE

Purpose
Release agent to be sprayed on rollers, moulds and on **VPI SIGNATURE** render before stamping.
Applying **DÉMOULANT** will prevent rollers, moulds and dies from sticking to the **VPI SIGNATURE** render surface.

Authorised bases
- **VPI SIGNATURE** render is non-sticky to the touch approximately 20 to 30 minutes after application, depending on temperature.
- Rollers, moulds and dies from the **VPI SIGNATURE**range.

APPLICATION

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Product preparation
- **DÉMOULANT** is ready to use.
- Refer to the **VPI SIGNATURE** render application sheets per aspect.

Application
- Refer to the **VPI SIGNATURE** render application sheets per aspect.
- Application should be between +5°C and +30°C.
- Application by fine spraying with the **VPI SIGNATURE** sprayer on the **VPI SIGNATURE** range rollers, moulds and dies and then on the render.

- The sprayer should be cleaned with water immediately after use, paying particular attention to the pressure handle and the seal.

2021-2022 Edition

PATINE MINÉRALISANTE

VPI SIGNATURE RANGE

VPI SIGNATURE RENDER FINISH

- **Reinforces the relief of aspects and patterns**
- **Colours and mineralises**
- **Adds shades of colour**
- **Easy to apply**

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
100 to 200 g/m²

Shades
7 colours

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
5 L container

SPECIFICATIONS AND PERFORMANCES

Appearance: white or coloured liquid
Density: 1.05

FIELD OF USE

Purpose
VPI SIGNATUREarchitectural render finish. Colours and mineralises.
The patina adds shades of colour and reinforces the render's relief and texture.

Authorised bases
- **VPI SIGNATURE** dry render.
  Wait 24 hours after application of **VPI SIGNATURE** render.

APPLICATION

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Product preparation
- Depending on the required colour and appearance, **PATINE MINERALISANTE** can be applied:
  - Either pure
  - Or diluted: 1 volume of water for 1 volume of **PATINE MINERALISANTE**.

For a consistent colour, it is advisable to use the same preparation (either pure or diluted) on the same façade.
Refer to the **VPI SIGNATURE** render application sheets by aspect.

Application
- Refer to the **VPI SIGNATURE** render application sheets per aspect.
- It is advisable to carry out a preliminary test on a small surface to make sure of the final appearance.
- Application should be between +5°C and +30°C.
- **PATINE MINÉRALISANTE** is applied using a 100 mm wide brush, irregularly, highlighting the hollow areas.
- Brush on **PATINE MINÉRALISANTE** immediately after application using a silk brush.
- If you use several patina colours, clean them well and even change brushes between applications.
- Clean using water.
- The colour changes as it dries. Wait before proceeding with any touch-ups.

MONOPASS GF

COLOURED SINGLE-LAYER RENDER

ALL BASES: APPLICABLE ON CELLULAR CONCRETE

Finishes: "fine scratched", "floated", "rough" and "rough crushed"

PROJECT SOLUTIONS TO BE TO BE CHECKED OUT ON P. 114 TO 117

OC1 | FINE GRAIN | SEMI-LIGHT |

PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	21 kg/m²	12 kg/m²
Rough sprayed / Rough crushed	18 kg/m²	10 kg/m²
Floated	18 kg/m²	10 kg/m²

Colours
59 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

Supply (details on pages 6-7)
MONOPASS GF is available in zone 2 from the Malataverne factory. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, lightening fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS II
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing and decoration of all types of building facades.

Authorised bases
- Masonry of all types: Rt1, Rt2 or Rt3, as per the NF-DTU 26.1 - April 2008 standard. Examples: autoclaved cellular concrete blocks, bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with render body: class CS II, CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal, sloping or in-ground external parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 33 M 245
- CE marking

Application conditions
- Application temperature: from +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Terracotta brick masonry of all types:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.
- **Cellular concrete masonry:** Remove dust carefully and then apply **ACCROLOR 2** or wet the base evenly as you go. The base must wet in depth but not seeping on the surface.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or concrete mixer.
- Water/powder ratio: 5.5 to 6.5 L of water per 25 kg sack.
- Mixing time: 7 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CELLULAR CONCRETE	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**		**Decoration**	
"Scratched" finish	1st application of 7 mm + 2nd application de 8 mm	ACCROLOR 2 + 1 application 15 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	ACCROLOR 2 + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	ACCROLOR 2 + 1 application 10 mm thick + 5 mm grain	Base-coat using **VPI LATEX 3 mm thick + 5 mm grain**	ACCROLOR 2 + 1 application 3 mm thick + 5 mm grain
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	ACCROLOR 2 + 1st application 7 mm thick + 2nd application 5 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 5 mm thick	ACCROLOR 2 + 1 application 5 mm thick

- **"Fine scratched" finish:**
Machine-spray the render (see table).
Smooth and tighten it carefully.
Wait from 4 hours to 3 days (at +20°C) between two applications.
Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
Spray the 1st application using a machine (see table), straighten and smooth.
Wait from 4 h to 3 days (at +20°C) then spray the grain to 5 mm.
To obtain the "rough crushed" finish, crush the grain using a float before it hardens.
- **"Floated" finish:**
Spray the 1st application using the machine (see table) and tighten it.
Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

MONOPASS GM

COLOURED SINGLE-LAYER RENDER

ALL BASES: APPLICABLE ON CELLULAR CONCRETE

Finishes: "medium scratched", "rough," and "rough crushed"

PROJECT SOLUTIONS TO BE CHECKED OUT ON P. 114 TO 117

OC1 | MEDIUM GRAIN | SEMI-LIGHT |

PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	21 kg/m²	12 kg/m²
Rough sprayed / Rough crushed	18 kg/m²	10 kg/m²

Shades
59 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

Supply (details on pages 6-7)
MONOPASS GM is available in zone 2 from the Malataverne factory. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, lightening fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS II
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing and decoration of all types of building facades.

Authorised bases
- Masonry of all types: Rt1, Rt2 or Rt3, as per the NF-DTU 26.1 - April 2008 standard. Examples: autoclaved cellular concrete blocks, bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with render body: class CS II, CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal, sloping or in-ground external parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 33 M 247
- CE marking

Application conditions
- Application temperature: from +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Terracotta brick masonry of all types:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.
- **Cellular concrete masonry:** Remove dust carefully and then apply **ACCROLOR 2** or wet the base evenly as you go. The base must wet in depth but not seeping on the surface.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 6 to 6.5 L of water per 25 kg sack.
- Mixing time: 7 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CELLULAR CONCRETE	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**		**Decoration**	
"Scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	ACCROLOR 2 + 1 application 15 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	ACCROLOR 2 + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	ACCROLOR 2 + 1 application 10 mm thick + grain 5 mm thick	Base-coat using **VPI LATEX** 3 mm thick + 5 mm grain	ACCROLOR 2 + 1 application 3 mm thick + grain 5 mm thick

- **Medium scratched finish:**
  Machine-spray the render (see table).
  Smooth and tighten it carefully.
  Wait from 4 hours to 3 days (at +20°C) between two applications.
  Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
  Spray the 1st application using a machine (see table), straighten and smooth.
  Wait from 4 h to 3 days (at +20°C) then spray the grain 5 mm thick.
  To obtain the "rough crushed" finish, crush the grain using a float before it hardens.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

MONOCAL GF

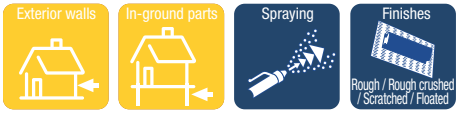
COLOURED SINGLE-LAYER RENDER

CONCRETE BASES, BLOCKS,BRICKS

- **Applicable on in-ground walls**
- **Finishes: "fine scratched", "rough", "rough crushed" and "floated".**

PROJECT SOLUTION TO BE CHECKED OUT P. 116-117

OC2 | FINE GRAIN | SEMI-LIGHT |



PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	21 kg/m²	12 kg/m²
Rough sprayed / Rough crushed	18 kg/m²	10 kg/m²
Floated	18 kg/m²	10 kg/m²

Colours
58 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

Supply (details on pages 6-7)
MONOCAL GF is available in zone 1 from the Auneau factory. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, lightening fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing and decoration of all types of building facades.

Authorised bases
- Rt2 or Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with a body of render classified CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 36 M 249
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Terracotta brick masonry of all types:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 5.75 to 6.25 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	**ACCROLOR 2** + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	Base-coat using **VPI LATEX** 3 mm thick + 5 mm grain	**ACCROLOR 2** + 1 application 3 mm thick + 5 mm grain
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 5 mm thick	**ACCROLOR 2** + 1 application 5 mm thick

- **"Fine scratched" finish:**
  Machine-spray the render (see table).
  Smooth and tighten it carefully.
  Wait from 4 hours to 3 days (at +20°C) between two applications.
  Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
  Spray the 1st application using a machine (see table), straighten and smooth it. Wait from 4 h to 3 days (at +20°C) then spray the grain
  5 mm thick. To obtain the "rough crushed" finish, crush the grain using a float before it hardens.
- **"Floated" finish:**
  Spray the 1st application using the machine (see table) and tighten it.
  Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

MONOCAL GM

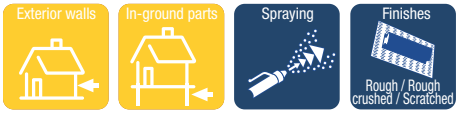
COLOURED SINGLE-LAYER RENDER

CONCRETE BASES, BLOCKS,BRICKS

- **Applicable on in-ground walls**
- **Finishes: "medium scratched", "rough," and "rough crushed"**

PROJECT SOLUTION TO BE CHECKED OUT P. 116-117

OC2 | MEDIUM GRAIN | SEMI-LIGHT |



Supply (details on pages 6-7)
MONOCAL GM is available in zone 1 from the Auneau factory. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	21 kg/m²	12 kg/m²
Rough sprayed / Rough crushed	18 kg/m²	10 kg/m²

Colours
58 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, lightening fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing and decoration of all types of building facades.

Authorised bases
- Rt2 or Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with a body of render classified CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 36 M 246
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Terracotta brick masonry of all types:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 6.3 to 6.8 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	**ACCROLOR 2** + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	Base-coat using **VPI LATEX** 3 mm thick + 5 mm grain	**ACCROLOR 2** + 1 application 3 mm thick + 5 mm grain

- **Medium scratched finish:**
Machine-spray the render (see table).
Smooth and tighten it carefully.
Wait from 4 hours to 3 days (at +20°C) between two applications.
Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
Spray the 1st application using a machine (see table), straighten and smooth it. Wait from 4 h to 3 days (at +20°C) then spray the grain on 5 mm. To obtain the "rough crushed" finish, crush the grain using a float before it hardens.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

MONOCAL BLANC POLAIRE

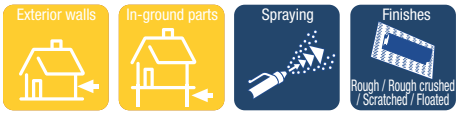
EXTRA WHITE
SINGLE-LAYER RENDER

CONCRETE BASES, BLOCKS,BRICKS

- **Single-layer extra white render**
- **Applicable on in-ground walls**
- **Finishes: "fine scratched", "rough", "rough crushed" and "floated".**

PROJECT SOLUTION TO BE CHECKED OUT P. 116-117

OC2 | FINE GRAIN | SEMI-LIGHT |



PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	21 kg/m²	12 kg/m²
Rough sprayed / Rough crushed	18 kg/m²	10 kg/m²
Floated	18 kg/m²	10 kg/m²

Storage

18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging

25 kg sack - 48 sack pallet

Supply

MONOCAL BLANC POLAIRE is available in all regions. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: white powder
Composition: selected mineral fillers, lightening fillers, white cement, lime, additives including mass water repellent

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose

Waterproofing and decoration of all types of building facades.

Authorised bases

- Rt2 or Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with a body of render classified CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 36 M 258
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing temperatures in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st layer of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Terracotta brick masonry of all types:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 5.75 to 6.25 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	**ACCROLOR 2** + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	Base-coat using **VPI LATEX** 3 mm thick + 5 mm grain	**ACCROLOR 2** + 1 application 3 mm thick + 5 mm grain
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 5 mm thick	**ACCROLOR 2** + 1 application 5 mm thick

- **"Fine scratched" finish:** Machine-spray the render (see table). Smooth and tighten it carefully. Wait from 4 hours to 3 days (at +20°C) between two applications. Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":** Spray the 1st application using a machine (see table), straighten and smooth. Wait from 4 h to 3 days (at +20°C) then spray the grain on 5 mm. To obtain the "rough crushed" finish, crush the grain using a float before it hardens.
- **"Floated" finish:** Spray the 1st application using the machine (see table) and tighten it. Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

MONOCAL GF GRIS

GREY SINGLE LAYER RENDER

CONCRETE BASES, BLOCKS,BRICKS

- **Fine-grain floatable before thin finish**
- **Finish: facing bricks**
- **Applicable on in-ground walls**

OC2 | FINE GRAIN | SEMI-LIGHT |

PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Floated	18 kg/m²	10 kg/m²

Storage

18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging

25 kg sack - 48 sack pallet

Supply (details on pages 6-7)

MONOCAL GF GRIS is available in zone 1 from the Auneau factory.

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: selected mineral fillers, grey cement, lime, additives including mass water-repellent

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose

Waterproofing and decoration of all types of building facades.

Finishes

- Paint.
- Organic decorative render.
- Thick organic-mineral coating.
- Thick mineral coating.
- CS III max class single-layer render.
- **RÉNOPASS CHAUX GF/GM.**
- **RHÉAJET.**
- Facing bricks.
- Can remain uncoated*.

* Colour consistency not guaranteed.

Authorised bases
- Rt2 or Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with a body of render classified CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st layer of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX****.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX**** or apply **ACCROLOR 2**.
- **Terracotta brick masonry of all types:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

** To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 5.75 to 6.25 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	Base coat using VPI LATEX 3 mm thick + 1 application 5 mm thick	ACCROLOR 2 + 1 application 5 mm thick

- Spray the 1st application using the machine (see table) and smooth it.
  Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

Finishes

FINISH COATING TYPE	MONOCAL GF GRIS SURFACE APPEARANCE BEFORE FINISH	COVERING TIME
Paint, TPC, TMC	Floated	3 weeks minimum
Single-layer class CS III max render RÉNOPASS CHAUX GF/GM, RHÉAJET	Serrated	24 hours
Terracotta facing bricks	Straightened and smoothed	3 weeks minimum
Ceramic or similar coverings (complying with DTU 52.2) on small surfaces (fascia, opening frame, etc.)	Straightened and smoothed	48 hours

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

MONOLOR GF

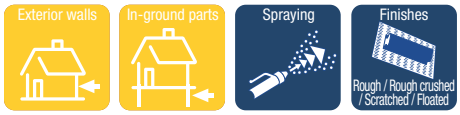
COLOURED SINGLE-LAYER RENDER

CONCRETE BASES, BLOCKS,BRICKS

- **Applicable on in-ground walls**
- **Finishes: “fine scratched”, “floated”, “rough” and ”rough crushed”**

PROJECT SOLUTION TO BE CHECKED OUT P. 116-117

OC2 | FINE GRAIN |



PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	24 kg/m²	14 kg/m²
Rough sprayed / Rough crushed	21 kg/m²	12 kg/m²
Floated	21 kg/m²	12 kg/m²

Colours
59 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

Supply (details on pages 6-7)
MONOLOR GF is available in zone 2 from the Malataverne factory. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing and decoration of the facades of all types of buildings.

Authorised bases
- Rt2 or Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete”.
- Masonry covered with a body of render classified CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 33 M 243
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label. You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Terracotta brick masonry of all types:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render.

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 4.8 to 5.3 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	**ACCROLOR 2** + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	Base-coat using **VPI LATEX** 3 mm thick + 5 mm grain	**ACCROLOR 2** + 1 application 3 mm thick + 5 mm grain
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 5 mm thick	**ACCROLOR 2** + 1 application 5 mm thick

- **"Fine scratched" finish:**
Machine-spray the render (see table).
Smooth and tighten it carefully.
Wait from 4 hours to 3 days (at +20°C) between two applications.
Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
Spray the 1st application using the machine (see table), smooth and tighten.
Wait from 4 h to 3 days (at +20°C) then spray the grain on 5 mm. To obtain the "rough crushed" finish, crush the grain using a float before it hardens.
- **"Floated" finish:**
Spray the 1st application using the machine (see table) and tighten it.
Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

MONOLOR GF GRIS

GREY SINGLE LAYER RENDER

CONCRETE BASES, BLOCKS,BRICKS

- **Fine-grain floatable before thin finish**
- **Finish: facing bricks**
- **Applicable on in-ground walls**

OC2 | **FINE GRAIN** |

PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Floated	21 kg/m²	12 kg/m²

Storage

18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging

25 kg sack - 48 sack pallet

Supply (details on pages 6-7)

MONOLOR GF GRIS is available in zone 2 from the Malataverne factory.

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: selected mineral fillers, grey cement, lime, additives including mass water-repellent

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose

Waterproofing and decoration of all types of building facades.

Finishes

- Paint.
- Organic decorative render.
- Thick organic-mineral coating.
- Thick mineral coating.
- CS III max class single-layer render.
- **RÉNOPASS CHAUX GF/GM.**
- **RHÉAJET.**
- Facing bricks
- Can remain uncoated*.

* Colour consistency not guaranteed.

Authorised bases
- Rt2 or Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with a body of render classified CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX****.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX**** or apply **ACCROLOR 2**.
- **Terracotta brick masonry of all types:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

** To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 4.8 to 5.3 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	Base coat using VPI LATEX 3 mm thick + 1 application 5 mm thick	ACCROLOR 2 + 1 application 5 mm thick

- Spray the 1st application using the machine (see table) and smooth it.
  Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

Finishes

FINISH COATING TYPE	MONOLOR GF GRIS SURFACE APPEARANCE BEFORE FINISHING	COVERING TIME
Paint, TPC, TMC	Floated	3 weeks minimum
Single-layer class CS III max render RÉNOPASS CHAUX GF/GM, RHÉAJET	Serrated	24 hours
Terracotta facing bricks	Straightened and smoothed	3 weeks minimum
Ceramic or similar coverings (complying with DTU 52.2) on small surfaces (fascia, opening frame, etc.)	Straightened and smoothed	48 hours

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

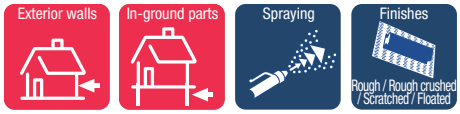
MONOROC GF

COLOURED SINGLE-LAYER RENDER

STRONGLY COHESIVE BASES CONCRETE, BLOCKS, RT3 BRICKS

- **Applicable on in-ground walls**
- **Finishes: “fine scratched”, “floated”, “rough” and ”rough crushed”**

OC3 | FINE GRAIN | HEAVY



Supply (details on pages 6-7)
MONOROC GF is available in zone 1 from the Auneau factory. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	24 kg/m²	14 kg/m²
Rough sprayed / Rough crushed	21 kg/m²	12 kg/m²
Floated	21 kg/m²	12 kg/m²

Colours
59 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing and decoration of all types of building facades.

Authorised bases
- Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: Rt3 bricks, concrete blocks of common aggregates.
- Common aggregate cast concrete”.
- Masonry covered with a body of render classified CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Rt2 brick and terracotta block masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 36 M 240
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing temperatures in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label. You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Rt3 terracotta brick masonry:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 4.8 to 5.3 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	**ACCROLOR 2** + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	Base-coat using **VPI LATEX** 3 mm thick + 5 mm grain	**ACCROLOR 2** + 1 application 3 mm thick + 5 mm grain
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 5 mm thick	**ACCROLOR 2** + 1 application 5 mm thick

- **"Fine scratched" finish:**
Machine-spray the render (see table).
Smooth and tighten it carefully.
Wait from 4 hours to 3 days (at +20°C) between two applications.
Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
Spray the 1st application using the machine (see table), smooth and tighten.
Wait from 4 h to 3 days (at +20°C) then spray the grain on 5 mm. To obtain the "rough crushed" finish, crush the grain using a float before it hardens.
- **"Floated" finish:**
Spray the 1st application using the machine (see table) and tighten it.
Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

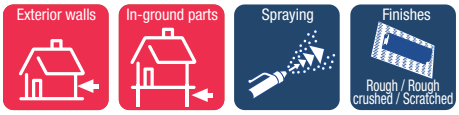
MONOROC GM

COLOURED SINGLE-LAYER RENDER

STRONGLY COHESIVE BASES CONCRETE, BLOCKS, RT3 BRICKS

- **Accelerated**
- **Applicable to in-ground walls**
- **Finishes: "medium scratched", "rough," and "rough crushed"**

OC3 | **MEDIUM GRAIN** | **HEAVY** |



PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	25 kg/m²	15 kg/m²
Rough sprayed / Rough crushed	22 kg/m²	13 kg/m²

Colours
60 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

Supply
MONOROC GM is available in all regions.
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS IV
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing and decoration of all types of building facades.

Authorised bases
- Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: Rt3 bricks, concrete blocks of common aggregates.
- Common aggregate cast concrete".
- Masonry covered with a class CS IV render body as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Rt2 brick and terracotta block masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 36 M 242
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:**
  Fill it before rendering.
- **Lips and excess thickness:**
  Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:**
  Bridge them using glass mesh embedded in the 1st layer of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:**
  It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:**
  Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Rt3 terracotta brick masonry:**
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 4.3 to 4.8 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	**ACCROLOR 2** + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	Base-coat using **VPI LATEX** 3 mm thick + 5 mm grain	**ACCROLOR 2** + 1 application 3 mm thick + 5 mm grain

- **"Medium scratched" finish:**
  Machine-spray the render (see table).
  Smooth and tighten it carefully.
  Wait from 4 hours to 3 days (at +20°C) between two applications.
  Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
  Spray the 1st application using a machine (see table), straighten and smooth.
  Wait from 4 h to 3 days (at +20°C) then spray the grain 5 mm thick.
  To obtain the "rough crushed" finish, crush the grain using a float before it hardens.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

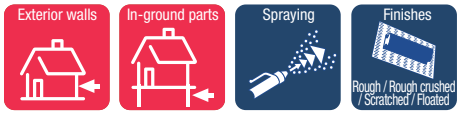
MONOROC BLANC POLAIRE

EXTRA WHITE
SINGLE-LAYER RENDER

STRONGLY COHESIVE BASES CONCRETE, BLOCKS, RT3 BRICKS

- **Single-layer extra white render**
- **Applicable on in-ground walls**
- **Finishes: “fine scratched”, “floated”, “rough” and ”rough crushed”**

OC3 | FINE GRAIN | HEAVY |



PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	24 kg/m²	14 kg/m²
Rough sprayed / Rough crushed	21 kg/m²	12 kg/m²
Floated	21 kg/m²	12 kg/m²

Storage

18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging

25 kg sack - 48 sack pallet

Supply

MONOCAL BLANC POLAIRE is available in all regions. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: white powder
Composition: selected mineral fillers, white cement, lime, additives including mass water-repellent

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose

Waterproofing and decoration of the facades of all types of buildings.

Authorised bases

- Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: Rt3 bricks, concrete blocks of common aggregates.
- Common aggregate cast concrete”.
- Masonry covered with a body of render classified CS III or CS IV, as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Rt2 brick and terracotta block masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 36 M 257
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:** Fill it before rendering.
- **Lips and excess thickness:** Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:** Bridge them using glass mesh embedded in the 1st layer of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous bases, cast concrete and old renders:** It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:** Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Rt3 terracotta brick masonry:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render.

Product preparation
- Mix in a batch mixer or concrete mixer.
- Water/powder ratio: 4.8 to 5.3 L of water per 25 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 8 mm thick	**ACCROLOR 2** + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	Base-coat using **VPI LATEX** 3 mm thick + 5 mm grain	**ACCROLOR 2** + 1 application 3 mm thick + 5 mm grain
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	Base coat using **VPI LATEX** 3 mm thick + 1 application 5 mm thick	**ACCROLOR 2** + 1 application 5 mm thick

- **"Fine scratched" finish:**
  Machine-spray the render (see table).
  Smooth and tighten it carefully.
  Wait from 4 hours to 3 days (at +20°C) between two applications.
  Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
  Spray the 1st application using a machine (see table), straighten and smooth.
  Wait from 4 h to 3 days (at +20°C) then spray the grain 5 mm thick.
  To obtain the "rough crushed" finish, crush the grain using a float before it hardens.
- **"Floated" finish:**
  Spray the 1st application using the machine (see table) and tighten it.
  Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

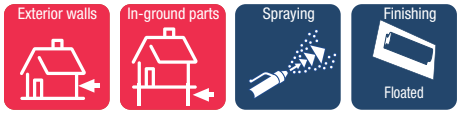
MONOROC GF GRIS

GREY SINGLE LAYER RENDER

HIGHLY COHESIVE BASES ALL TYPES OF FINISH

- **Applicable on in-ground walls**
- **Fine-grain floatable before thin finish**

OC3 | FINE GRAIN | HEAVY



PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Floated	21 kg/m²	12 kg/m²

Storage

18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging

25 kg sack - 48 sack pallet

Supply

MONOROC GF GRIS is available in all regions.

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: selected mineral fillers, grey cement, lime, additives including mass water-repellent

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS IV
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose

Waterproofing of the facades of all types of buildings.

Finishes

- Paint.
- Organic decorative render.
- Thick organic-mineral coating.
- Thick mineral coating.
- All CS classes of single-layer coloured render.
- **RÉNOPASS CHAUX GF/GM.**
- **RHÉAJET.**
- Tiling.
- Facing bricks.
- Can remain uncoated*.

* Colour consistency not guaranteed.

Authorised bases
- Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: Rt3 bricks, concrete blocks of common aggregates.
- Common aggregate cast concrete".
- Masonry covered with a class CS IV render body as per the NF-DTU 26.1 - April 2008 standard.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Rt2 brick and terracotta block masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal or pitched outer parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 36 M 241
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- Hollow masonry pointing: Fill it before rendering.
- Lips and excess thickness: Eliminate them mechanically.
- Mechanical masonry joins/wall ties and joins between heterogeneous bases: Bridge them using glass mesh embedded in the 1st layer of render, as per NF-DTU 20.1 and 26.1.
- Heterogeneous bases, cast concrete and old renders: It is mandatory to create a base prepared coat using **VPI LATEX****.
- Cast concrete and old renders: Create a base coat prepared using **VPI LATEX**** or apply **ACCROLOR 2**.
- **Rt3 terracotta brick masonry:** Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses. This soaking is regardless of the ambient weather conditions.

** To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 4.5 to 5.2 L of water per 25 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time between applications	from 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**	**Decoration**	
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	Base coat using VPI LATEX 3 mm thick + 1 application 5 mm thick	ACCROLOR 2 + 1 application 5 mm thick

- Spray the 1st application using the machine (see table) and smooth it.
  Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

Finishes

FINISH COATING TYPE	MONOROC GF GRIS SURFACE APPEARANCE BEFORE FINISHING	COVERING TIME
Paint, TPC, TMC	Floated	3 weeks minimum
CS IV max. single-layer render, RÉNOPASS CHAUX GF/GM, RHÉAJET	Serrated	24 hours
Terracotta facing bricks	Straightened and smoothed	3 weeks minimum
Ceramic or similar coverings (in accordance with DTU 52.2)	Straightened and smoothed	3 weeks minimum
Ceramic or similar coverings (complying with DTU 52.2) on small surfaces (fascia, frame, opening)	Straightened and smoothed	48 hours

- Clean the tools with water while the product is fresh.

Final thickness:
- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

ENDUIT AIR

AIRTIGHT INTERIOR RENDER

IMPROVES BUILDING AIRTIGHTNESS PERFORMANCES

- **Quick and easy application: manual or machine**
- **In 1 application**
- **Lime based**
- **25 kg format: easier to handle**

LIME

PRODUCT INFORMATION

Consumption
1.3 kg/m² per mm of thickness.

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
25 kg sack - 48 sack pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: beige powder
Composition: selected mineral fillers, air-slaked lime, additives

PERFORMANCE MEASURED AT +20°C	
Air quality (VOC emissions)	A+
Fire rating	A1 (incombustible)

2021-2022 Edition

FIELD OF USE

Purpose
- Interior lime render designed to improve the airtightness performance of buildings.
- **ENDUIT AIR** is applied before the installation of the lining on frames or bonded.
- The special points of the structure must be treated in accordance with RT 2012.

Authorised bases
- Concrete blocks of common aggregates.
- Monomur bricks.
- Terracotta blocks.
- Autoclaved cellular concrete blocks.
- Cast concrete (after application of **PRIMA UNIVERSEL** primer).
  Plasterboard (after application of **PRIMA UNIVERSEL** primer).
- Cement or lime plaster

Unauthorised bases
- Pure lime render.
- Plaster-based render ("pure plaster" or mixed with lime).
- Paint.
- Organic decorative render.

APPLICATION

Reference document
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply to a frozen base or if there is any risk of freezing in the hours after application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Cellular concrete block masonry:**
  Fill any chips with **MORTIER COLLE BC** mixed with sand (2 volumes of **MORTIER COLLE BC** for 1 volume of sand).
  Remove dust from the base and wet it until it seeps the day before application. On the day the render is applied, check that the base is wet in-depth but not seeping on the surface.
- **Terracotta brick masonry:**
  Fill any chips with **MORTIER FIN** (refer to the technical data sheet).
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses.
  This soaking is regardless of the ambient weather conditions.
- **Concrete base:**
  Fill any chips with **MORTIER FIN**.
  Apply **PRIMA UNIVERSEL** to the base. Leave to dry for 45 min before applying the render.

Product preparation
- Mix in a batch mixer or a concrete mixer.
- Water/powder ratio: 5.5 to 6 L of water per 25 kg sack.
- Mixing time: 7 to 8 min. Keep the same duration for each batch.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	About 1 hour
Time before covering the lining	from 48 to 72 hours

- Spraying machine water pressure setting: 10 bars.
- Spray pot air pressure setting: 4 to 6 bars.

- Spray a layer of **ENDUIT AIR** about 5 mm thick.
- Straighten then smooth **ENDUIT AIR** as you go along, using a wall scraper.

Treatment of junctions:
- **Masonry-joinery:**
  Create a peripheral bead using **ENDUIT AIR** between the masonry and the joinery frame. It will be smoothed using a trowel.
  Proceed in the same way for window sills and door thresholds.
- **Masonry-concrete floor:**
  Straighten and smooth **ENDUIT AIR** using a corner trowel.
- **Masonry-Ceiling:**
  Bridge the gap using a 10 cm wide glass mesh, smoothed into **ENDUIT AIR** using a corner trowel.

- Clean the tools with water as long as the product is fresh.

COLLIFAÇADE

BONDING MORTAR

ADHESIVE MORTAR FOR FIXING FACING BRICKS AND NATURAL STONES ON FACADES

- **Special facade: facing bricks, ceramic and natural stone**
- **Special bonding of boards for external thermal insulation on EPS and RW**
- **COLLIFAÇADE system + TRADIJOINT**
- **Excellent slip resistance**

PROJECT SOLUTION TO BE CHECKED OUT P. 118-119

C2 S1 ET

Exterior walls

Finishing
Facing bricks

DUST FREE

EMISSIONS IN INTERIOR AIR A+ A+ A B C

QB CE

PRODUCT INFORMATION

Consumption
Adhesive applied to one side: 3.5 to 4.5 kg/m².
Adhesive applied to both sides: 5 to 8 kg/m².
Terracotta facing bricks: adhesive applied to one side 6 kg/m².

Shades
Grey
White

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
25 kg bag - 48 bag pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: grey or white powder
Composition: special cements, selected sands, specific additives

PERFORMANCE MEASURED AT +20°C	
Initial adherence	≥ 1 MPa
Adherence after water action	≥ 1 MPa
Adherence after heat action	≥ 1 MPa
Adherence after frost/thaw cycle	≥ 1 MPa
Thermal stability	-30° C to +80°C
Deformability	≥ 2.5 mm
Reaction to fire	Class E

FIELD OF USE

Purpose
Bonding of facing bricks, tiles and natural stone on facades.

Authorised bases

BONDING ON FACADES	BONDED COVERING ELEMENT FORMAT (EN CM²) DEPENDING ON THE FACADE HEIGHT (H)			
BASE	**TILING**		**FACING BRICKS**	
	H ≤ 6 M	**H ≤ 28 M**	**H ≤ 6 M**	**H ≤ 28 M**
Concrete	3600	2200	≤ 231	
Concrete covered with mortared glass paste				
CS IV render				
CS III render	3600*	2200*	≤ 231	
ETICS - RHEATHERM 600 AND 600 LR SYSTEMS	Not concerned	Not concerned	≤ 231**	

* Tile bonding on small surfaces only (frames, bays, fascias).
* Limited to facades or parts of facades of a maximum height of 2 storeys and not exceeding 9 m.

Unauthorised bases
- Rough small element masonry.
- Metal.
- Wood.

APPLICATION

Reference documents

- NF-DTU 52.2 of December 2009
- Valid **RHÉATHERM 600** DTA
- Valid **RHÉATHERM 600 LR** DTA
- QB certificates n° 33 MC 514 and 36 MC 514
- CE marking

Application conditions

- Application temperature: +5°C to +30°C.
- Do not apply in full sunlight, on warm or frozen bases or if there is any risk of freezing temperatures in the hours following application.

Precautions for use

To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation

- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
  It must not seep moisture.
- **Cast concrete or rendered masonry base:**
  Base flatness: 5 mm under the 2 m rule.
  Base preparation:
  If local adjustments are needed to correct unevenness, they are only carried out after purging:
  - using repair mortar **RÉPATECH R4** or equivalent on a concrete base,
  - using adhesive mortar **COLLIFAÇADE** (up to 7 mm thick corrections), for rendered masonry; a 24 hour wait must then be respected before continuing the work.
  Waiting time before installing bonded coatings:
  - cast concrete: 2 months for buildings up to ground floor + 3 and 3 months beyond that,
  - rendered masonry: the render must be at least 3 weeks old. This time is reduced to 24 or 48 hours if the coatings are only installed in window frames, on sills or fascia.
- **On ETICS RHÉATHERM 600 and RHÉATHERM 600 LR systems:**
  Refer to the **RHÉATHERM 600** DTA and the **RHÉATHERM 600 LR** DTA, terracotta facing brick finish section.

Product preparation

- Mix using a slow speed electric mixer.
- Water/powder ratio: 6.75 to 7.25 L of water per 25 kg sack.
- In cold weather, use mixing water at over 10°C.
- Leave to rest for 5 minutes.

Application

WORKABLE TIME AT 20°C	
Time the mix can be used	3 hours
Open time	30 min
Time for adjustments	20 min
Time before grouting	24 hours

- Spread the mortar on the base using a smoother then adjust the thickness using a serrated comb suitable for the tile format.
- Apply the coating to be bonded within the working time and exert sufficient pressure to make sure the mortar transfers correctly.
- **On concrete and masonry with CS IV or CS III class render** (when bonding ceramic tiles on a small surface or for terracotta facing bricks)
  COLLIFAÇADE can be used in the following conditions:

BONDED COATING ELEMENTS		FACADE HEIGHT H	
TYPE	**SURFACE AREA (CM²)**	**H ≤ 6 M**	**H ≤ 28 M (INCLUDING THE FIRST 6 METERS)**
Glass paste or Briare enamel mosaic	S ≤ 120	✓	✓
Terracotta wall facing bricks	S ≤ 231	✓	✓
Terracotta tiles	S ≤ 300	✓	✓
	300 < S ≤ 900	✓	BONDED INSTALLATION PROHIBITED
Drawn or pressed tiles, excluding tiles BIa. Natural stones with open porosity > 2 %	S ≤ 2,200	✓	✓
	2,200 < S ≤ 3,600	✓	BONDED INSTALLATION PROHIBITED
Fully vitrified tiles BIa. Natural stones with open porosity ≤ 2 %	S ≤ 2,200	✓	✓

Apply COLLIFAÇADE:

- Apply to one side for tile sizes < 50 cm² and terracotta facing bricks.
- Apply to both sides for tile sizes > 50 cm².
- **On ETICS:** Refer to the **RHÉATHERM 600** DTA and the **RHÉATHERM 600 LR**DTA.
- **Pointing**
  The pointing of hard coatings is carried out using **TRADIJOINT** mortar, after the adhesive mortar has dried, i.e. at least 24 hours after bonding (at 20°C).
  The shell expansion joints and the joints between the structure and the infill masonry must be respected in the adhesive mortar.
  In general, dividing joints must be created every 60 m² (horizontal joints every 6 m and vertical joints every 10 m), every 40 m² for terracotta facing bricks (the longest length not exceeding 8 m). The use of **TRADIJOINT**, a low modulus of elasticity mortar, makes it possible to avoid these joints.
- **Dark coloured bonded coating**
  Refers to tiles and facing bricks with a higher solar absorption coefficient:
  - than 0.7 for ceramic coverings,
  - than 0.9 for facing bricks (reduced to 0.7 for ETICS).
  For these elements, beyond a height of between 6 m and 28 m, their installation is limited to the following structures for South-East to West facades exposed to the sun:
  - parts of structures set back from the façade (balcony-loggia),
  - concrete wall or rendered facade with tiling limited to window bay frames, sills or fascias,
  - decorative fascias on facades provided that their width does not exceed 50 cm, and that they do not represent more than 20% of the facade.

- Clean the tools with water while the product is fresh.

TRADIJOINT

MASONRY
POINTING MORTAR

NEW OR EXISTING MASONRY

- **Waterproof mortar**
- **Excellent modulus of elasticity**
- **avoids splitting joints**
- **Ideal for pointing bricks and facing bricks**
- **COLLIFAÇADE system + TRADIJOINT**

PROJECT SOLUTION TO BE CHECKED OUT P. 118-119

LIME

PRODUCT INFORMATION

Consumption
Depending on the width and depth of the joints and the format of the elements to be bonded:
- bricks: 7 to 12 kg/m^2,
- stone: 10 to 12 kg/m^2,
- facing bricks: 5 to 10 kg/m^2.

Colours
16 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

Supply
TRADIJOINT is available in all regions. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, white cement, lime, mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence to wet Rt3 bricks	> 0.7 MPa
Modulus of elasticity	7,000 MPa
Compressive strength	7.6 MPa
Bending strength	2.4 MPa
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Pointing of exposed masonry and facing bricks

Authorised bases
- Highly cohesive element masonry.
- Facing bricks and tiles.

Prohibited uses
- Facade render.
- Masonry laying.
- Pointing of old masonry assembled using low-strength mortar

APPLICATION

Reference document
- CSTB test report n° AC16-26064535/2

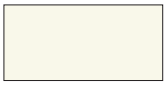
Application conditions
- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
To protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packaging label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- **New bases:**
  The masonry must have been erected for at least 3 weeks.
  The base must be clean, cohesive and non-powdery.
  Moisten just before pointing, especially in hot weather.
- **Existing bases:**
  Strip the pointing to a minimum depth of 10 mm.
  Remove the damaged elements, replace them and re-seal them using a C2S class adhesive mortar.
  Dust the base.
  Wet just before pointing, especially in hot weather

Product preparation
- Mix using an electric mixer or in a concrete mixer or mortar pump.
- Water/powder ratio: 4.6 to 5.4 L of water per 25 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix

COLOURS*


00 - Off white


1493 - Light beige


1470 - Dark Grey

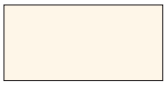

1490 - Earth


15 - Champagne


1494 - Grey


1496 - Steel Grey

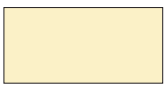

1474 - Brick Red


65 - Stone


1495 - Concrete grey


1471 - Slate Grey


1475 - Bright Red


25 - Cream


60 - Silver Grey


1497 - Iron Grey


1472 - Dark Red

* Colours for information only.

Application

WORKABLE TIME AT 20°C	
Working life	1 hour and 30 minutes approx.

- Pack the pointing generously using a pointing iron or a pump.
- Smooth using a pointing iron or a round-nose trowel.
- As soon as the mortar starts to set, clean the excess **TRADIJOINT** using a wire brush.
- **Porous stone and bricks:**
  Leave the pointing to dry for at least 3 weeks.
  Treat the façade using a suitable water repellent.

- Clean the tools with water while the product is fresh.

ENDUNI

COLOURED SINGLE-LAYER RENDER

HAND APPLIED MASON'S RENDER FOR ALL BASES

- **Finishes: "trowel thrown", "machine sprayed", "medium scratched", "rough" and "rough crushed"**
- **New build or refurbishment**

PROJECT SOLUTIONS TO BE CHECKED OUT ON P. 114 TO 117

OC1 | MEDIUM GRAIN | SEMI-LIGHT |

PRODUCT INFORMATION

Consumption

Finishing	For waterproofing and decoration	For decoration
Scratched	21 kg/m²	12 kg/m²
Rough sprayed / Rough crushed	18 kg/m²	10 kg/m²
Trowel thrown	18 kg/m²	10 kg/m²
Machine sprayed	-	6 kg/m²

Colours
58 colours

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
30 kg sack - 42 sack pallet

Supply
ENDUNI is available in all regions.
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, lightening fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS II
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing and decoration of all types of building facades.

Authorised bases
- Masonry of all types: Rt1, Rt2 or Rt3, as per the NF-DTU 26.1 - April 2008 standard. Examples: autoclaved cellular concrete blocks, bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered in Class CS II, CS III or CS IV render body, as per the NF-DTU 26.1 - April 2008 standard.
- Refurbished bases: stone and quarry stone.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Old masonry (rough or rendered): loam, adobe, cob, etc.
- Horizontal, sloping or in-ground external parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008
- QB Certificate No. 33 M 02
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Hollow masonry pointing:**
  Fill it before rendering.
- **Overplus and excess thickness:**
  Eliminate them mechanically.
- **Mechanical masonry joins/wall ties and joins between heterogeneous bases:**
  Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- Heterogeneous bases, cast concrete and old renders:
  It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Cast concrete and old renders:**
  Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- Terracotta brick masonry of all types:
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses.
  This soaking is regardless of the ambient weather conditions.
- Cellular concrete masonry:
  Remove dust carefully. Wet the surface evenly and then apply **ACCROLOR 2**.

Product preparation
- Mix using an electric mixer, in a concrete mixer or in a batch mixer.
- Water/powder ratio: 6.9 to 7.5 L of water per 30 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT 20°C	
Working life	About 1 hour
Time between applications	From 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CELLULAR CONCRETE	CONCRETE OR SUB-RENDER	
Function	**Waterproofing**		**Decoration**	
"scratched" finish	1st application 7 mm thick + 2nd application 8 mm thick	ACCROLOR 2 + 1 application 15 mm thick	Base coat using VPI LATEX 3 mm thick + 1 application 8 mm thick	ACCROLOR 2 + 1 application 10 mm thick
"Rough sprayed" or "rough crushed" finish	1st application 10 mm thick + 2nd application: grain 5 mm thick	ACCROLOR 2 + 1 application 10 mm thick + grain 5 mm thick	Base-coat using VPI LATEX 3 mm thick + grain 5 mm thick	ACCROLOR 2 + 1 application 3 mm thick + grain 5 mm thick

- **Medium scratched finish:**
  Machine-spray the render or apply using a trowel (see table). Smooth and tighten it carefully.
  Wait from 4 hours to 3 days (at +20°C) between two applications.
  Evenly scratch the render using a nail float or the edge of the trowel when it has sufficiently set.
- **"Rough sprayed" or "rough crushed":**
  Spray the 1st application using a machine or a trowel (see table), straighten and smooth it.
  Wait from 4 h to 3 days (at +20°C) then spray the grain on 5 mm. To obtain the "rough crushed" finish, crush the grain using a float before it hardens.

- Clean the tools with water while the product is fresh.

Final thickness:
- on well finished rough masonry: 12 to 15 mm
- on standard rough masonry: 15 to 18 mm
- on concrete or sub-render: 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

* To prepare a base coat using **VPI LATEX**:
  Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
  Apply without overloading the base (3 to 5 mm).
  Leave its surface rough to facilitate the adhesion of the render

MONOPASS ÉCO GRIS

GREY SINGLE-LAYER RENDER

ALL BASES: APPLICABLE ON CELLULAR CONCRETE

- **"Floated" finish**
- **Can remain uncovered**
- **Wide choice of finishes: paints, thin finishes or CS II hydraulic renders**
- **Lightweight**

PROJECT SOLUTIONS TO BE CHECKED OUT ON P. 114 TO 117

FINE GRAIN | **LIGHTWEIGHT** |

PRODUCT INFORMATION

Consumption
14 kg/m² and per cm thickness

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg bag - 48 bag pallet

Supply
MONOPASS ECO GRIS is available in all regions.

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: selected mineral fillers, lightening fillers, white cement, lime, additives including mass water repellent and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS II
Capillarity	W2
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Facade waterproofing for all types of building.

Finishes
- **Possible finishes:**
  Paint.
  Organic decorative render.
  Thick organic-mineral coating.
  Thick mineral coating.
  OC1 class coloured single-layer render.
  RÉNOPASS CHAUX GF/GM.
  Can remain uncoated*.

* Colour consistency not guaranteed.

- **Unauthorised finishes:**
  CS III or CS IV class hydraulic render.
  Tiling.
  Facing brick.

Authorised bases

- Masonry of all types: Rt1, Rt2 or Rt3, as per the NF-DTU 26.1 - April 2008 standard. Examples: autoclaved cellular concrete blocks, bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete".
- Masonry covered with a body of render

Unauthorised bases

- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Old masonry (rough or rendered): loam, adobe, cob, etc.
- Horizontal, sloping or in-ground external parts

APPLICATION

Reference documents

- NF-DTU 26.1 - April 2008
- CE marking

Application conditions

- Application temperature: +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use

In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation

- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- Hollow masonry pointing:
  Fill it before rendering.
- Lips and excess thickness:
  Eliminate them mechanically.
- Mechanical masonry joins/wall ties and joins between heterogeneous bases:
  Bridge them using glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- Heterogeneous bases, cast concrete and old renders:
  It is mandatory to create a base prepared coat using **VPI LATEX****.
- Cast concrete and old renders:
  Create a base coat prepared using **VPI LATEX**** or apply **ACCROLOR 2**.
- Terracotta brick masonry of all types:
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses.
  This soaking is regardless of the ambient weather conditions.
- Cellular concrete masonry:

Remove dust carefully.
Apply **ACCROLOR 2** or wet the base evenly as you go.
The base must wet in depth but not seeping on the surface.

Product preparation

- Mix in a batch mixer or concrete mixer.
- Water/powder ratio: 7.5 to 8.5 L of water per 25 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT +20°C	
Working life	About 1 hour
Time between applications	From 4 h to 3 days
Time out of water	from 3 to 8 hours

Thickness of application

BASE	WELL FINISHED ROUGH MASONRY	CELLULAR CONCRETE	CONCRETE OR SUB-RENDER	
Function	Waterproofing		Decoration	
"Floated" finish	1st application 7 mm thick + 2nd application 5 mm thick	ACCROLOR 2 + 1st application 7 mm thick + 2nd application 5 mm thick	Base coat using VPI LATEX 3 mm thick + 1 application 5 mm thick	ACCROLOR 2 + 1 application 5 mm thick

- Spray the 1st application using the machine (see table) and smooth it.
  Wait from 4 h to 3 days (at +20°C), then spray a 5 mm layer and float it.

Finishes

FINISH COATING TYPE	MONOPASS ÉCO GRIS SURFACE APPEARANCE BEFORE FINISHING	COVERING TIME
Paint, TPC, TMC	Floated	3 weeks minimum
Class OC1 CS II max single-layer render, RÉNOPASS CHAUX GF/GM	Serrated	24 hours

- Clean the tools with water while the product is fresh.

Final thickness:

- on neat rough masonry: from 12 to 15 mm
- on standard rough masonry: from 15 to 18 mm
- on concrete or sub render: from 5 to 15 mm

Whichever finish is chosen, the render thickness should not be less than 10 mm at any protruding point on the masonry (including hollow pointing or cornice outlines), nor more than 25 mm (including for overlaid cornice outlines).

** To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render

TRADIROC

TRADITIONAL HEAVY RENDER BODY

BASE COAT AND RENDER BODY FOR ALL TYPES OF FINISHES

- **High impact resistance**
- **Tiled finish**

PRODUCT INFORMATION

Consumption
16 kg/m² and per cm thickness

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg sack - 48 sack pallet

Supply
TRADIROC is available in all regions

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: selected mineral fillers, grey cement, lime, additives

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS IV
Capillarity	W1
Water vapour permeability	μ ≤ 35
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing of facades and interior walls of all types of buildings.

Finishes
- All CS classes of tinted single-layer render.
- **RÉNOPASS CHAUX GF/GM**.
- **RHÉAJET**.
- Paint.
- Organic decorative render.
- Thick organic-mineral coating.
- Thick mineral coating.
- Tiling.
- Facing bricks.
- Can remain uncoated if applied in 2 coats.

Authorised bases
- Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard. Examples: Rt3 bricks, concrete blocks of common aggregates.
- Common aggregate cast concrete.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Rr2 brick masonry (rough or rendered).
- Old masonry (rough or rendered): stone, loam, adobe, cob, etc.
- Horizontal, sloping or in-ground external parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008 (Performance mortar)
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- Hollow masonry pointing:
  Fill it before rendering.
- Lips and excess thickness:
  Eliminate them mechanically.
- Mechanical masonry joins/wall ties and joins between heterogeneous bases:
  Bridge them using a glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous base, masonry with major defects or different porosities, poured concrete:**
  It is mandatory to create a base prepared coat using **VPI LATEX***.
- Manual application, whatever the base:

It is mandatory to create a base coat prepared using **VPI LATEX***.
- Cast concrete:
  Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- **Rt3 terracotta brick masonry:**
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses.
  This soaking is regardless of the ambient weather conditions.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render.
Leave to dry for 2 to 7 days before applying the render.

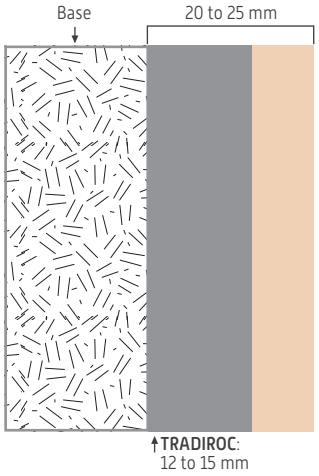
Product preparation
- Mix in a batch mixer or concrete mixer.
- Water/powder ratio: 3.3 to 4.2 L of water per 25 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix
- Machine setting: water pressure 10 to 12 bars.

Application
See following pages.

Application

WORKABLE TIME AT 20°C	
Working life	About 1 hour

Application in 2 layers



Paint, organic decorative render, thick organic-mineral coating, thick mineral coating finish:
apply the 2nd coat using **TRADI BÂTARD GF GREY** and allow to dry for at least 7 days before applying the finish.
Tile or facing brick: apply the 2nd layer using **TRADIROC** and leave to dry for at least 3 weeks before applying the finish.

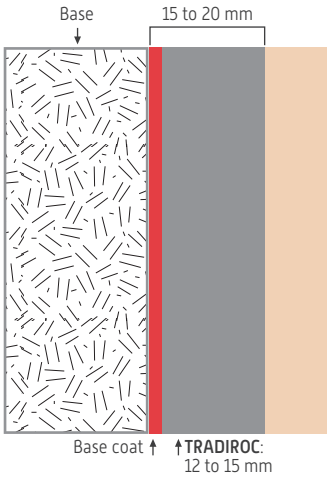
	BASE COAT	RENDER BODY	FINISHING
Product	TRADIROC + VPI LATEX or ACCROLOR 2 (see § Base preparation)	TRADIROC	Single-layer render RÉNOPASS LIME GF/GM RHÉAJET Organic decorative render Thick organic-mineral coating Thick mineral coating
Waiting time between layers	2 to 7 days	4 to 7 days 7 days for decorative organic coatings, thick organic-mineral coatings or thick mineral coatings 3 weeks for tiling	-

- **1st layer:**
  Machine spray the render 12 to 15 mm thick.
  Level and leave the surface rough.
  Wait 4 to 7 days before applying the 2nd layer.
- **2nd layer:**
  Wet the 1st layer.
  Spray the selected render 8 to 10 mm thick in one or more applications depending on the chosen finish.

The thickness of the two layers must be between 20 and 25 mm.

- Clean the tools with water while the product is fresh.

Application in 3 layers



	BASE COAT	RENDER BODY	FINISHING
Product	TRADIROC + VPI LATEX or ACCROLOR 2 (see § Base preparation)	TRADIROC	Single-layer render RÉNOPASS LIME GF/GM RHÉAJET Organic decorative render Thick organic-mineral coating Thick mineral coating
Waiting time between layers	2 to 7 days	4 to 7 days 7 days for decorative organic coatings, thick organic-mineral coatings or thick mineral coatings 3 weeks for tiling	-

- **1st** layer (base coat):
  A base coat is mandatory (see § "Base preparation").
- **2nd layer (render body):**
  Apply the render over the base coat to obtain a total thickness of 15 à 20 mm.
  Straighten using a rule.
  Single-layer finish, **RÉNOPASS CHAUX GF/GM**, **RHÉAJET**: scratch the surface.
  Organic decorative render, thick organic-mineral coating or thick mineral coating finish: float the surface.
  Leave to dry for at least 7 days.
- **3rd layer (finish):**
  Apply the chosen finish as indicated on its technical data sheet.

The total thickness of the base coat and render body combined must be between 15 and 20 mm.

- Clean the tools with water while the product is fresh.

TRADIBÂTARD GM GRIS/BLANC

TRADITIONAL CEMENT-LIME RENDER BODY

FAT LIME RENDER FOR ALL BASES

- **Wide choice of finishes**
- **New build or refurbishment**

PRODUCT INFORMATION

Consumption
16 kg/m² and per cm thickness

Colours
Grey
White

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg bag - 48 bag pallet

Supply
TRADIBÂTARD GM GRIS et **TRADIBÂTARD GM BLANC** are available in all regions.

SPECIFICATIONS AND PERFORMANCES

Appearance: grey or white powder
Composition: selected mineral fillers, lime, cement, additives

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS III
Capillarity	W1
Water vapour permeability	μ ≤ 35
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Waterproofing of facades and interior walls of all types of buildings.

Finishes
- Facing or single-layer render class CS III max.
- **RÉNOPASS CHAUX GF/GM**.
- **RHÉAJET**.
- Paint.
- Organic decorative render.
- Thick organic-mineral coating.
- Thick mineral coating.
- Facing bricks.
- Can remain uncoated if applied in 2 coats.

Authorised bases
- Standard masonry: Rt2 or Rt3, as per the NF-DTU 26.1 - April 2008 standard.
  Examples: bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Common aggregate cast concrete.
- Old masonry (rough or rendered): stone, quarry stone.

Unauthorised bases
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Cellular concrete masonry (rough or rendered).
- Old masonry (rough or rendered): loam, adobe, cob, etc.
- Horizontal, sloping or in-ground external parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008 (Performance mortar)
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- Hollow masonry pointing:
  Fill it before rendering.
- Lips and excess thickness:
  Eliminate them mechanically.
- Mechanical masonry joins/wall ties and joins between heterogeneous bases:
  Bridge them using a glass mesh embedded in the 1st layer of render, as per NF-DTU 20.1 and 26.1.
- **Heterogeneous base, masonry with major defects or different porosities, poured concrete:**
  It is mandatory to create a base prepared coat using **VPI LATEX***.
- Manual application, whatever the base:

It is mandatory to create a base prepared coat using **VPI LATEX***.
- Cast concrete:
  Create a base coat prepared using **VPI LATEX*** or apply **ACCROLOR 2**.
- Terracotta brick masonry of all types:
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses.
  This soaking is regardless of the ambient weather conditions.
- Cellular concrete masonry: Contact us.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render.
Leave to dry for 2 to 7 days before applying the render.

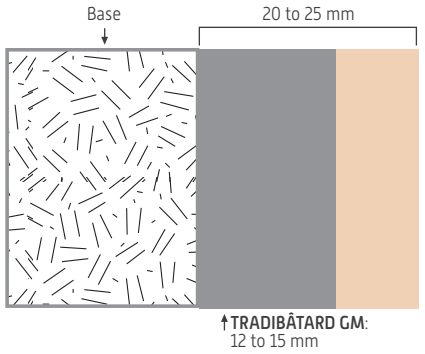
Product preparation
- Mix in a batch mixer or concrete mixer.
- Water/powder ratio:
  - **TRADIBÂTARD GM GRIS**: 3.6 to 4.4 L of water per 25 kg sack.
  - **TRADIBÂTARD GM BLANC**: 4 to 4.8 L of water per 25 kg sack.
- Mixing time: 5 min. Keep this time the same for each batch.
- Machine setting: water pressure 10 to 12 bars.

Application
See following pages.

Application

WORKABLE TIME AT 20°C	
Working life	About 1 hour

Application in 2 layers



	1st LAYER	2nd LAYER
Product	TRADIBÂTARD GM	Single-layer or facing render class CS III max. RÉNOPASS CHAUX GF/GM RHÉAJET
Waiting time between layers	4 to 7 days	

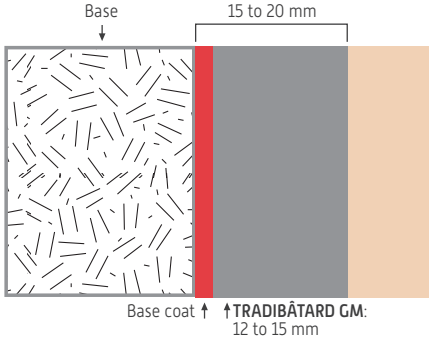
Paint finish, organic decorative render, thick organic-mineral coating or thick mineral coating: create the 2nd layer using **TRADIBÂTARD GF GRIS** or **TRADIBÂTARD GM** and leave to dry for at least 7 days before applying the finish.

- **1st layer:**
  Machine spray the render 12 to 15 mm thick. Level and leave the surface rough.
  Wait 4 to 7 days before applying the 2nd layer.
- **2nd layer:**
  Wet the 1st layer.
  Spray the selected render 8 to 10 mm thick in one or more applications depending on the chosen finish.

The thickness of the two layers must be between 20 and 25 mm.

- Clean the tools with water while the product is fresh.

Application in 3 layers



	BASE COAT	RENDER BODY	FINISHING
Product	TRADIBÂTARD GM + VPI LATEX or ACCROLOR 2 (see § Base preparation)	TRADIBÂTARD GM	Single-layer or facing render class CS III max. RÉNOPASS CHAUX GF/GM RHÉAJET Paint, organic decorative render Thick organic-mineral coating Thick mineral coating
Waiting time between layers	2 to 7 days	7 days minimum	-

- **1st layer (base coat):**
  A base coat is mandatory (see § "Base preparation").
- **2nd layer (render body):**
  Apply the render over the base coat to obtain a total thickness of 15 à 20 mm.
  Straighten using a rule.
  CS III class max single-layer or facing render finish, **RÉNOPASS CHAUX GF/GM** or **RHÉAJET**: scratch the surface.
  Paint, organic decorative render, thick organic-mineral coating or thick mineral coating finish: float the surface.
  Leave to dry for at least 7 days.
- **3rd layer (finish):**
  Apply the chosen finish as indicated on its technical data sheet.

The total thickness of the base coat and render body combined must be between 15 and 20 mm.

Bonding of facing bricks on TRADIBÂTARD GM GRIS

- Facing brick specifications: terracotta facing, of a format less than or equal to 231 cm ^{2}.
- Application of **TRADIBÂTARD GM** in 2 layers of a total thickness of between 20 and 25 mm.
- Render drying: 3 weeks minimum (time to be increased depending on weather conditions).
- Bonding of facing bricks using **COLLIFAÇADE**.
- Point using **TRADIJOINT** or **JOINT FIN PREMIUM**.

- Clean the tools with water as long as the product is fresh.

TRADIBÂTARD GF GRIS

TRADITIONAL CEMENT-LIME
SUB RENDER

FINE GRAIN "FLOATED" BEFORE THIN FINISHES

- **Lime based**
- **Recommended for a paint finish**

PRODUCT INFORMATION

Consumption
17 kg/m² and per cm thickness

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg bag - 48 bag pallet

Supply
TRADIBÂTARD GF GRIS is available in all regions.

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: selected mineral fillers, lime, grey cement, additives

PERFORMANCE MEASURED AT +20°C	
Adherence after freeze/thaw and immersion/freeze cycles	≥ 0.2 MPa
Compressive strength	CS II
Capillarity	W1
Water vapour permeability	μ ≤ 35
Water permeability	≤ 1 ml/cm² after 48 h
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
- 2nd layer of the traditional render.
- levelling of old structured hydraulic renders

Finishes
- Paint.
- Organic decorative render.
- Thick organic-mineral coating.
- Thick mineral coating.
- Can remain uncoated.

Authorised bases
- **TRADIBÂTARD GM GRIS** or **BLANC**.
- **TRADIROC**.
- Structured hydraulic render of high mechanical strength (CS III or CS IV).

Unauthorised bases
- Rough masonry of all types, new or old.
- bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Horizontal, sloping or in-ground external parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008 (Performance mortar)
- CE marking

Application conditions
- Application temperature: from +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The render body must have been applied for at least 4 days (at +20°C).
  Re-wet it before spraying **TRADIBÂTARD GF GRIS**.
- On old render:

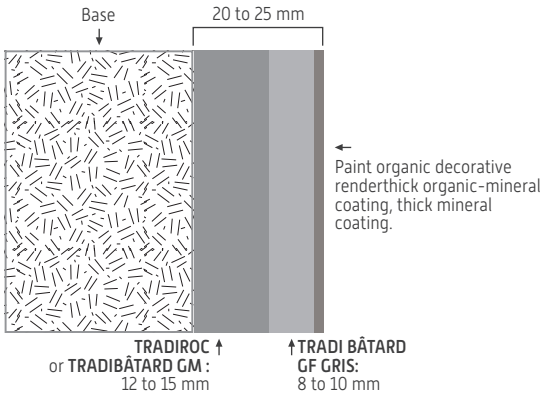
It is mandatory to create a base coat prepared using **VPI LATEX**.
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render.
Leave to dry for 2 to 7 days before applying the render.

Product preparation
- Mix in a batch mixer.
- Water/powder ratio: 4.1 to 4.9 L of water per 25 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix
- Machine setting: water pressure 10 to 12 bars.

Application

WORKABLE TIME AT +20°C	
Working life	About 1 hour

Thickness of application



	1ST LAYER	2NDLAYER:	FINISHING
Product	TRADIROC or TRADIBÂTARD GM	TRADIBÂTARD GF GRIS	Paint, organic decorative render, thick organic-mineral coating, thick mineral coating
Waiting time	4 to 7 days	7 days	-

- Spray **TRADIBÂTARD GF GRIS** 8 to 10 mm thick in a single application.
- Float it using a sponge float.

- Clean the tools with water while the product is fresh.

RÉNOPASS CHAUX CLAIR

LIME RENDER BODY FOR RENOVATION

LIME RENDER BODY FOR RENOVATION

- **Natural white**
- **RÉNOPASS CHAUX system ideal for the renovation and restoring of old masonry**
- **Respects heritage buildings**
- **Can remain uncovered**
- **Applicable in thick coats**
- **Applicable up to the exterior finished floor level**

PROJECT SOLUTIONS TO BE CHECKED OUT ON P. 120 TO 123

Excell Gold Label*
Suitable for the wine-producing environment

** These products have been awarded the Excell Gold Label for their high quality requirements which exceed applicable regulations on indoor air emissions.*

PRODUCT INFORMATION

Consumption
15 to 16 kg/m² and per cm of thickness.

Storage
18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging
25 kg bag - 48 bag pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: white powder
Composition: selected mineral fillers, lime, small quantities of hydraulic binders and additives

PERFORMANCE MEASURED AT +20°C	
Adherence on concrete	≥ 0.2 MPa
Compressive strength	CS II
Capillarity	W2
Water vapour permeability	μ ≤ 35
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Lime render body for the renovation and straightening of old masonry.

Finishes
- **RÉNOPASS CHAUX GF** or **GM**.
- Paint.
- Thick mineral coating.
- Can remain uncoated if applied in 2 coats.

Authorised bases
- New masonry: Rt1, Rt2 or Rt3, as per the NF-DTU 26.1 - April 2008 standard; terracotta bricks (including Monomur bricks), light or common aggregate concrete blocks.
- Old masonry of the following types: stones mounted using weak mortar, old brick, loam, adobe, cob, clinker.
- Masonry rendered using a sub render of a compressive strength greater than or equal to CS II.

Unauthorised bases
- Very weak mechanical strength renders, such as "pure lime" renders.
- bases treated with a surface water repellent.
- Plaster based render.
- Organic coatings of all types (paint, TPC, TMC, facade waterproofing).
- Horizontal, pitched or in-ground external parts.

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008 (Performance mortar)
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply to a frozen base or if there is any risk of freezing in the hours after application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- Soak the base (except loam, adobe, cob and clinker) until it saturates the day before. Before rendering, check that the base is wet in-depth but not seeping on the surface.
- Mechanical masonry joins/wall ties and joins between heterogeneous bases:
  Bridge them using a glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- Brick or absorbent stone masonry:
  Strip the pointing to a depth of about 25 mm.
  Wash with pressurised water.
- Very hard and non-absorbent stone masonry and heterogeneous masonry:
  Strip the pointing and wash with pressurised water.
  Fix a galvanised mesh (compliant with the NF A 91- 131 standard) using rust-proof nails.
  It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Terracotta brick masonry:**
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses.
  This soaking is regardless of the ambient weather conditions.
- **Loam, adobe, cob, clinker:**
  Never wet the base.
  Carefully brush the base.
  It is mandatory to create a base prepared coat using **VPI LATEX***.
  The next day, fix a galvanized mesh (compliant with the NF A 91-131 standard) using rust-proof nails.
- **On clinker:**
  The mesh can be fixed before the application of the base coat.

* To prepare a base coat using **VPI LATEX**: Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render.
Leave to dry for 2 to 7 days before applying the render.

Product preparation
- Mix in a batch mixer or concrete mixer.
- Water/powder ratio: 4.5 to 5 L of water per 25 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix

Application

WORKABLE TIME AT +20°C	
Working life	About 1 hour
Time between base coat and render body	2 days minimum
Time before application of RENOPASS CHAUX GF or GM	12 h (for a thickness of 12 to 15 mm) 4 to 7 days (for a thickness of 15 to 30 mm)

- **Render body on stone without mesh:**
  Apply a 1st coat of **RENOPASS CHAUX CLAIR** render which must fill the pointing and cover the bare stones by a thickness of about 5 mm.
  Level the render using a rule, leaving the surface rough.
  Then apply the mineral facing render **RENOPASS CHAUX GF** or **RÉNOPASS CHAUX GM**.
- Body of render on base coat with mesh:
  Apply **RENOPASS CHAUX CLAIR** sufficiently thickly to properly coat the mesh.
  Level the render using a rule, leaving the surface rough.
  Maximum thickness per application: 30 mm.
  If greater thicknesses are required, proceed in several applications without ever exceeding 50 mm in total.
  Re-wet the surface, then apply mineral facing render **RENOPASS CHAUX GF** or **RÉNOPASS CHAUX GM**.
- Body of render on base coat without mesh:
  Apply **RENOPASS CHAUX CLAIR** in one layer 12 to 15 mm thick.
  Level the render using a rule, leaving the surface rough.
  Wait at least 12 hours before applying the finish.
  Re-wet the surface, then apply mineral facing render **RENOPASS CHAUX GF** or **RÉNOPASS CHAUX GM**.

Finishes

	LAYERS		
	Render body	**Render finish**	**Thin finish**
White	RÉNOPASS CHAUX CLAIR	RÉNOPASS CHAUX CLAIR	-
Fine scratched, floated, rough, rough crushed	RÉNOPASS CHAUX CLAIR	RÉNOPASS CHAUX GF	-
Medium scratched, floated, rough, rough crushed	RÉNOPASS CHAUX CLAIR	RÉNOPASS CHAUX GM	-
Thin finish	RÉNOPASS CHAUX CLAIR	RÉNOPASS CHAUX CLAIR	Paint or TMC

- Clean the tools with water while the product is fresh.

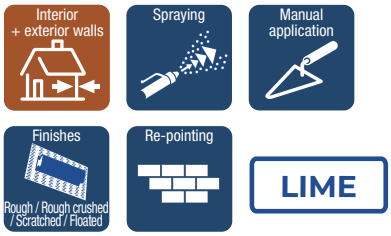
RÉNOPASS CHAUX GF/GM

LIME RICH MINERAL FACING RENDERS

LIME FACING RENDERS

- RÉNOPASS CHAUX system
- Ideal for restoring old masonry
- Render body, finishing and re-pointing
- Applicable down to the exterior finished ground level
- Available in medium grain (GM) or fine grain (GF)

PROJECT SOLUTIONS TO BE CHECKED OUT ON P. 120 TO 123



CE

Excell Gold Label*
Suitable for the wine-producing environment

* *These products have been awarded the Excell Gold Label for their high quality requirements which exceed applicable regulations on indoor air emissions.*

PRODUCT INFORMATION

Consumption

As a decorative render:

Finishing	Consumption
Medium scratched (RÉNOPASS CHAUX GM) Fine scratched (RÉNOPASS CHAUX GF)	11 kg/m²
Rough sprayed or Rough crushed (RÉNOPASS CHAUX GM or RÉNOPASS CHAUX GF)	9 kg/m²
Floated (RÉNOPASS CHAUX GF)	9 kg/m²
Mechanically sprayed (RÉNOPASS CHAUX GM)	5 to 6 kg/m²

For pointing:
7 to 12 kg/m², depending on the pointing width and depth.

Colours

59 colours

Storage

18 months in its unopened original packing, out of contact with the ground, in a dry, temperate and slightly ventilated area.

Packaging

25 kg bag - 48 bag pallet

Supply

RÉNOPASS CHAUX GM and **RÉNOPASS CHAUX GF** are available in all regions. To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the render colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, lime, a small quantity of hydraulic binders, additives and mineral pigments

PERFORMANCE MEASURED AT +20°C	
Adhesion on RÉNOJET CLAIR	0.3 MPa
Modulus of elasticity	4,500 MPa
Compressive strength	CS II
Capillarity	W2
Water vapour permeability	μ ≤ 35
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose

- Decoration of facades and interior walls of all types of building.
- Can be substituted for **RÉNOJET CLAIR** or **RÉNOPASS CHAUX CLAIR** to create the render body.
- ETICS system finishes.

Authorised bases

- For facing:
  Render body providing base waterproofing, such as **RÉNOPASS CHAUX CLAIR** or **RÉNOJET CLAIR**, **TRADIBÂTARD GM BLANC** or **GRIS**, or **TRADIROC**.
- As a render body (to replace **RÉNOJET CLAIR** or **RÉNOPASS CHAUX CLAIR**).
- For pointing:
  Stone masonry, including old masonry built using weak mortar (see NF-DTU 26.1 - April 2008).
- **RÉNOPASS INTER** (intermediate sub-render).

Unauthorised bases

- Very weak mechanical strength renders, such as "pure lime" renders.
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Horizontal, sloping or in-ground external parts.

APPLICATION

Reference documents

- NF-DTU 26.1 - April 2008 (Performance mortar)
- CE marking

Application conditions

- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use

In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation

- For facing:
  The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
  Soak the base (except loam, adobe, cob and clinker) until it saturates the day before. Before rendering, check that the base is wet in-depth but not seeping on the surface.
  Smooth surface: prick it to roughen its surface.
- As a render body (to replace **RÉNOJET CLAIR** or **RÉNOPASS CHAUX CLAIR**).
- For pointing on old bases:
  Strip the pointing to a minimum depth of 10 mm.
  Remove the damaged elements, replace them and re-seal them using a C2S class adhesive mortar.
  Dust the base.
  The day before the application, wet the base until it saturates.
- For pointing on new bases:
  The masonry must have been erected for at least 3 weeks.
  The base must be clean, cohesive and non-powdery.
  The day before the application, wet the base until it saturates.

Product preparation

- Mix in a batch mixer or concrete mixer.
- Water/powder ratio:
  - **RÉNOPASS CHAUX GM**: **4.2 to 4.7 L** of water per 25 kg bag
  - **RÉNOPASS CHAUX GF**: 4.5 to 5 L of water per 25 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix

Application

WORKABLE TIME AT +20°C	
Working life	About 1 hour

- For facing, "medium scratched" finish (**RÉNOPASS CHAUX GM**) or "fine scratched" (**RÉNOPASS CHAUX GF**) :
  Apply a coat of render of about 8 mm.
  Level using a rule and tighten it carefully.
  As soon it has sufficiently drawn, scratch it evenly using a nail float or the edge of a trowel.
- **For "floated" facing finish (RÉNOPASS CHAUX GF)**:
  Apply a coat of render of about 5 mm.
  Straighten using a rule.
  As soon it has sufficiently drawn, float it.
- **For "rough sprayed" or "crushed" finish facing (RÉNOPASS CHAUX GM or RÉNOPASS CHAUX GF):**
  Apply a coat of render of about 5 mm.
  Straighten using a rule.
  As soon it has drawn sufficiently, create the grain, which can be crushed with a float to obtain the "crushed" finish.
- "Mechanically sprayed" finish facing:
  Spray the render perpendicular to the surface.
  Then spray it at an angle in one direction and then in the other direction to create the structure.
- **As a render body (to replace RÉNOPASS CHAUX CLAIR or RÉNOJET CLAIR).**
- For pointing:
  Pack the pointing generously using a pointing iron or a pump.
  Tighten it using a trowel or a pointing iron.
  As soon as the render has started to draw, clean the stone or quarry stone using a wire brush.
  Porous stone and quarry stones: let the pointing dry for at least 3 weeks, then treat the facade with a water-repellent suitable for this use.

- Clean the tools with water while the product is fresh.

RÉNOPASS INTER

THIN INTERMEDIATE
AND RENOVATION
SUB RENDER

RENOVATION ON OLD PAINT, TPC AND RENDERS

- **Easy application: manual or machine**
- **Fibred**
- **No stripping or meshing required**
- **Wide choice of possible finishes**
- **Time before finishing: 12 hours**

PROJECT SOLUTION TO BE CHECKED OUT P. 124-125

Exterior walls | Spraying | Manual application | FIBRED

*EMISSIONS IN INTERIOR AIR A+ A+ A B C

PRODUCT INFORMATION

Consumption
1.5 kg/m² per mm of thickness.
- Smooth base: 4.5 to 7.5 kg/m² for 3 to 5 mm.
- Rough base: 7.5 to 10.5 kg/m² for 5 to 7 mm.

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
25 kg sack - 48 sack pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: selected mineral fillers, cement, lime, additives, mass water repellents and fibres
Mixed product pH: 12

PERFORMANCE MEASURED AT +20°C	
Adherence on concrete	≥ 0.25 MPa

FIELD OF USE

Purpose
- Fibre-reinforced interlayering and straightening render renovation:
  - of old paints, old organic decorative coatings, old hydraulic renders
  - of old stoneware and small sized glass paste coverings (maximum dimensions 2 x 2 cm and 5 x 5 cm)
- Renovation of the exterior facing of individual houses made of thin concrete panels.

Finishes
- **Single-layer; semi-lightweight renders OC1 and OC2**
  MONOPASS GF/GM
  MONOCAL GF/GM
  MONOCAL BLANC POLAIRE
  ENDUNI
- **Lime mineral facing renders**
  RHÉAJET
  RÉNOPASS CHAUX GF/GM
- **Thick plastic or thick mineral coatings**
  CRÉPILOR T, TM, GT or **GF**
  CRÉPILANE T or **TM**
  LITHOCOLOR T or **F**
  CRÉALANE T and **CRÉALANE MODELABLE**
- **Paint**
  FLEXODERM
  ESPINT

Authorised bases
- Rendered masonry, coated with old paint, TPC, TMC or glass paste and stoneware (maximum dimensions 2 x 2 cm or 5 x 5 cm).
- Private houses made of thin concrete slabs with an old organic or hydraulic finish.
- Masonry waterproofed using hydraulic render.
- Cast concrete walls compliant with the NF P 18-210 / DTU 23-1 standard.

Unauthorised bases
- External thermal insulation systems (ETICS).
- Bases covered with flexible coatings of the I1, I2, I3, or I4 type.
- All flexible coverings.
- Bases requiring the application of a waterproofing system.
- Bases treated with a surface water repellent.
- Bases covered with gloss, glycerol, flexible paints.
- Bases coated with silicate TMC.
- Bases covered with a plaster render ("pure plaster" or mixed with lime).
- Horizontal base or base pitched at less than 45° from horizontal.
- In-ground parts.

APPLICATION

Application conditions
- Application temperature: +5°C to +30°C
- Do not apply to a frozen base or if there is any risk of freezing in the hours after application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
In all cases, it is essential to carry out soundings on the existing coating beforehand.
The purpose of this preliminary study is to validate or not the application of **RÉNOPASS INTER** without scouring or stripping off the existing surface.
If the surface areas to be treated are larger than 500 m², the preliminary study must be carried out by a third party (specialised project manager or inspection office).
- **For incompatible coating following the tests:**
  remove all existing coating.
- **For compatible coating following the tests:**
  Clean all the coating surface using a high-pressure cleaner with a rotating nozzle.
- **For coatings that have plant pollution (moss, algae, fungi, etc.) :**
  Treat using an anticryptogamic solution.

In general, the bases must be sound, dry, clean and free of all substances that do not adhere well or that may hinder adherence.

- **General measures:**
  All upper edges of the rendering system must be protected by suitable accessories (flaps, covers).
  Any junction of the render with materials of a different type must be treated using **BANDE DE DESOLIDARISATION** .

Product preparation
Mix using a slow speed electric mixer or in a batch mixer.
- Water/powder ratio: 5.2 to 6.2 L of water per 25 kg sack.
- Mixing time: 5 min.

Application

WORKABLE TIME AT +20°C	
Working life	About 1 hour
Time between applications	16 hours minimum
Time before finishing	12 hours minimum

BASE CONDITION	RÉNOPASS INTER APPLICATION
Healthy base - Smooth	2 to 3 mm max. in 1 application, 5 mm in locally
Healthy base - Rough	5 to 7 mm in 2 applications
Base with spot repair areas*	1st application embedding the **TISSU DE VERRE** mesh over the repair zone using a U6 serrated comb 2nd application smoothed or serrated using a V3 comb depending on the finish

* For occasional cracks, embed a fibreglass mesh over the areas to be repaired. This bridging should extend at least 10 cm on either side of the treated area.
If the cracks are close together, treat the entire facade using **TISSU DE VERRE**.

Finishes

	APPEARANCE OF RÉNOPASS INTER BEFORE FINISHING
OC1 single-layer semi-light-weight renders **Hydraulic lime facing render**	Notched
TPC - TMC **Optional base regulator depending on the finish**	Smoothed
Paints	Smoothed

- Clean the tools with water while the product is still fresh.

Test tables
See following pages.

TESTS TO BE CARRIED OUT AS PART OF THE PRELIMINARY STUDY

TEST TYPES	TEST DESCRIPTION	RESULTS	BASE TYPE				
			Masonry rendered with hydraulic render coated with an organic covering	Masonry waterproofed using hydraulic render	Cast concrete with an organic coating	Rendered masonry, coated with a glass paste or stoneware type finish (max. size 2 x 2 cm or 5 x 5 cm)	Thin concrete slab finished with an organic coating (individual house)
TEST 1 APPEARANCE OF THE COATING BY VISUAL INSPECTION AND SOUNDING	Visual analysis of the existing coating.	The coating must be in good condition (no cracks, micro-cracks, chips or flaking). The existing organic coating must not be flexible.	qualifies	qualifies	qualifies	qualifies (if more than 10% of the total surface area is damaged, provide for total removal of the existing covering)	qualifies
TEST 2 ASSESSMENT OF THE EXISTING COVERING ADHESION USING A DRY GRID (AS PER NF EN ISO 2409)	Using a cutter, make cuts in the coating down to the base: at least 6 vertical and 6 horizontal parallel cuts spaced 2 x 2 mm for paint or 5 x 5 mm for organic decorative render.	Results considered good for classes 0, 1 and 2 in the table opposite.	qualifies	does not qualify	does not qualify	does not qualify	does not qualify
TEST 3 VULNERABILITY TO WATER OF THE COVERING BY WETTING WITH A SPONGE	The covering is wet for 30 minutes by a sponge soaked in water. Remove the sponge and wait 10 minutes before analysing.	Positive results if no swelling and softening of the covering is observed.	qualifies	does not qualify	does not qualify	does not qualify	qualifies
TEST ASSESSMENT OF EXISTING COVERING ADHERENCE BY WET GRID	The covering is wet for 30 minutes by a sponge soaked in water. Remove the sponge, wait 10 minutes before testing. Using a cutter, make cuts in the coating down to the base: At least 6 vertical and 6 horizontal parallel cuts spaced 2 x 2 mm for paint or 5 x 5 mm for organic decorative render.	Results considered good for classes 0, 1, 2 and 3 in the table opposite.	qualifies	does not qualify	does not qualify	does not qualify	qualifies

GRID TEST RESULTS CLASSIFICATION (EXCERPT FROM THE NF EN ISO 2409 STANDARD)

CLASSIFICATION	DESCRIPTION	APPEARANCE OF THE GRIDDED AREA WHERE FLAKING HAS OCCURRED (example of 6 parallel cuts)
0	The edges of the cuts are perfectly smooth. None of the grid squares in the grid have come off.	
1	Small flakes of the coating have come off at the cut intersections. Less than 5% of the grid area is impacted.	
2	The coating has flaked off along the edges and/or at the cut intersections. More than 5% of the grid area is impacted but less than 15%.	
3	The coating has flaked off along the cut edges in part or in whole in wide bands and/or has flaked off in part or in whole at various points in the grids. A grid area of more than 15% but less than 35% is impacted.	
4	The coating has flaked off along the cut edges in wide strips and/or some squares have partially or completely come off. A grid area of more than 35% but less than 65 % is impacted.	
5	All degrees of flaking that cannot be classified as 4.	-

RÉNOJET CLAIR

TRADITIONAL LIME-RICH RENDER BODY

LIME STRAIGHTENING RENDER

- **Applicable in thick coats**
- **Renovation and restoration of old masonry**
- **Respectful of traditional values**

PROJECT SOLUTIONS TO BE CHECKED OUT ON P. 120 TO 123

PRODUCT INFORMATION

Consumption
15 to 17 kg/m² and per cm of thickness

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
30 kg sack - 42 sack pallet

Supply
RÉNOJET CLAIR is available in all regions

SPECIFICATIONS AND PERFORMANCES

Appearance: light grey powder
Composition: selected mineral fillers, lime, small quantities of hydraulic binders and additives

PERFORMANCE MEASURED AT +20°C	
Adherence on concrete	≥ 0.2 MPa
Compressive strength	CS II
Capillarity	W1
Water vapour permeability	μ ≤ 35
Fire behaviour	A1 (incombustible)

FIELD OF USE

Purpose
Straightening of old masonry.

Finishes
- **RÉNOPASS CHAUX GF/GM**.
- Mineral paint.
- Thick mineral coating.
- Can remain uncoated if applied in 2 coats.

Authorised bases
- Rt1, Rt2 or Rt3 masonry, as per the NF-DTU 26.1 - April 2008 standard.
  Examples: stones assembled using weak mortar, bricks of all types (including Monomur bricks), light or common aggregate concrete blocks.
- Loam, adobe, cob.
- Clinker.

Unauthorised bases
- Very weak mechanical strength renders, such as "pure lime" renders.
- Bases treated with a surface water repellent.
- Plaster based render.
- Paint.
- Organic decorative render.
- Horizontal, sloping or in-ground external parts

APPLICATION

Reference documents
- NF-DTU 26.1 - April 2008 (Performance mortar)
- CE marking

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- Soak the base (except loam, adobe, cob and clinker) until it saturates the day before. Before rendering, check that the base is wet in-depth but not seeping on the surface.
- Mechanical masonry joins/wall ties and joins between heterogeneous bases:
  Bridge them using a glass mesh embedded in the 1st coat of render, as per NF-DTU 20.1 and 26.1.
- **Brick or absorbent stone masonry:**
  Strip the pointing to a depth of about 25 mm.
  Wash with pressurised water.
- **Very hard and non-absorbent stone masonry and heterogeneous masonry:**
  Strip the pointing and wash with pressurised water.
  Fix a galvanised mesh (compliant with the NF A 91- 131 standard) using rust-proof nails.
  It is mandatory to create a base prepared coat using **VPI LATEX***.
- **Terracotta brick masonry:**
  Soak quickly but not excessively less than half an hour before rendering, or as rendering progresses.
  This soaking is regardless of the ambient weather conditions.
- **Loam, adobe, cob, clinker:**
  Never wet the base.
  Carefully brush the base.
  It is mandatory to create a base prepared coat using **VPI LATEX***.
  The next day, fix a galvanized mesh (compliant with the NF A 91-131 standard) using rust-proof nails.
- On clinker:
  The mesh can be fixed before the application of the base coat.

* To prepare a base coat using **VPI LATEX**:
Mix a liquid render using a solution of diluted **VPI LATEX** (1 volume of **VPI LATEX** for 3 volumes of water).
Apply without overloading the base (3 to 5 mm).
Leave its surface rough to facilitate the adhesion of the render.
Leave to dry for 2 to 7 days before applying the render.

Product preparation
- Mix in a batch mixer or concrete mixer.
- Water/powder ratio: 4.8 to 5.4 L of water per 30 kg sack.
- Mixing time: 5 min. Keep the same duration for each mix

Application

WORKABLE TIME AT +20°C	
Working life	About 1 hour
Time between base coat and render body	2 days minimum
Time before application o RENOPASS CHAUX GF/GM	12 h (for a thickness of 12 to 15 mm) 4 to 7 days (for a thickness of 15 to 30 mm)

- **Render body on stone without mesh:**
  Apply a 1st layer of render which must fill the pointing and cover the bare stones by a thickness of about 5 mm.
  Straighten the render using a rule, leaving the surface rough.
  Then apply the **RÉNOPASS CHAUX GF/GM** mineral facing render (see technical data sheet pages 68-69).
- **Render body on base coat with mesh:**
  Apply render in a sufficiently thick layer to properly coat the mesh.
  Straighten the render using a rule, leaving the surface rough.
  If greater thicknesses are required, proceed in several applications without ever exceeding 50 mm in total. Wait at least 7 days between each application. Maximum thickness per application: 30 mm.
  Re-wet the surface and then apply **RÉNOPASS CHAUX GF/GM** mineral facing render (see technical data sheet on pages 68-69).
- **Render body on base coat without mesh:**
  Apply **RÉNOJET CLAIR** in a single layer 12 to 15 mm thick.
  Straighten the render using a rule, leaving the surface rough.
  Wait at least 12 hours before applying the finish.
  Re-wet the surface and then apply **RÉNOPASS CHAUX GF/GM** mineral facing render (see technical data sheet on pages 68-69).

- Clean the tools with water while the product is fresh.

ESPINT

ACRYLIC FACADE PAINT

APPLICABLE ON ALL TYPES OF BASE

- Matt appearance
- Permeable to water vapour

PRODUCT INFORMATION

Consumption
200 to 400 g/m² and per coat, depending on the roughness of the base.

Colours
680 colours
Also available in the 60 "Hydraulic render" colour chart colours

Storage
18 months in its unopened original packing and stored away from freezing temperatures and heat.

Packaging
20 kg tub
5 kg tub

Supply
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: white or coloured liquid
Composition: aqueous dispersion of acrylic resins, mineral fillers, additives
Density: 1.4

PERFORMANCE MEASURED AT +20°C	
Adhesion to concrete and render	> 0.5 MPa
NF P 84-403	Class D2
NF T 36-005	Family I class 7 b2
NF EN 1062-1	E4 V2 W2 A0

FIELD OF USE

Purpose
- Decoration of the facades of all types of buildings
- Solution for the repair of old ETICS (K1 solution according to ETICS Professional Rules): consult us.

Authorised bases
Cast concrete. Lime-cement render or cement-based render. Single-layer render. Wall levelling. Paint. Organic decorative render. Thick mineral or organic-mineral coating.
Facing brick.

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above ground level.
- Metal surfaces.

APPLICATION

Reference documents
Standard NF P 74-201 / DTU 59.1 of June 2013

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain is imminent

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The base must be level. If necessary, level it with **BÉTOMUR** or **PELLIPLAST** wall levelling compound (see data sheets).
- **Base with plant pollution (mosses, algae, lichens, fungi):** Treat using an anticryptogamic solution.

Product preparation
Mix **ESPINT** to the bottom of the tub.

Application

WORKABLE TIME AT +20°C	
Drying time	30 min to 1 h
Time between coats	6 to 24 h

For decoration
- Apply a 1st coat of **ESPINT** diluted wit 10 % [(by weight)] of water using a brush, roller or paint gun.
- Then apply a 2nd coat of pure **ESPINT**.

- Clean the tools with water while the product is fresh.

2021-2022 Edition

FLEXODERM

FLEXIBLE ACRYLIC FACADE PAINT

RENOVATION OF TILED FACADES

Satin appearance

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
200 to 400 g/m² and per coat, depending on the roughness of the base.

Colours
680 colours

Storage
18 months in its unopened original packing and stored away from freezing temperatures and heat.

Packaging
20 kg tub

Supply
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: white or coloured liquid
Composition: aqueous dispersion of acrylic resins, mineral fillers, additives
Density: 1.45

PERFORMANCE MEASURED AT +20°C	
Adhesion to concrete and render	> 0.5 MPa
NF P 84-403	Class D2
NF T 36-005	Family I class 7 b2
NF EN 1062-1	E4 V2 W2 A1 (in accordance with the applications indicated on the data sheet)

FIELD OF USE

Purpose
- Decoration of the facades of all types of buildings
- Solution for the repair of old ETICS (Solutions K2, K3 according to the ETICS Professional Rules): contact us.

Authorised bases
Cast concrete. Lime-cement render or cement-based render. Single-layer render. Wall levelling. Paint. Organic decorative render. Thick mineral or organic-mineral coating.
Facing brick. **RHÉAMIX MONO** (**RHÉATHERM 600** and **RHÉATHERM 600 LR** ETICS systems).

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above ground level.
- Metal surfaces.

APPLICATION

Reference documents
- Standard NF P 74-201 / DTU 59.1 of June 2013
- DTU 42.1 of December 2007

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, healthy and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The base must be level. If necessary, level it with **BÉTOMUR** or **PELLIPLAST** wall levelling compound (see data sheets).
- **Base with plant pollution (mosses, algae, lichens, fungi):** Treat using an anticryptogamic solution.

Product preparation
Stir **FLEXODERM** to the bottom of the tub.

Application

WORKABLE TIME AT +20°C	
Drying time	12 hours
Time between coats	12 hours

For decoration
- Apply a 1st coat of **FLEXODERM** diluted with 15 to 20 % (by weight) of water using a brush or a lambs' wool roller.
- Then apply a 2nd coat of pure **FLEXODERM**.
- Clean the tools with water while the product is fresh.

SOLOFOND

BASE REGULATOR

USED TO LEVEL THE BASE

Facilitates the application of the finishing render

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
100 g/m² of pure product (i.e. 200 g/m² of **SOLOFOND** diluted 1 for 1 by weight with water).

Colours
680 colours

Storage
18 months in its unopened original packing and stored away from freezing temperatures and heat.

Packaging
20 kg tub
5 kg tub

Supply
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: white or coloured liquid
Composition: aqueous dispersion of acrylic resins, mineral fillers, additives
Density: 1.35

PERFORMANCE MEASURED AT +20°C	
Adhesion to concrete and render	> 0.5 MPa

FIELD OF USE

Purpose
Base coat for organic decorative "ribbed" finish renders and "ribbed" finish or "floated" finish thick mineral coatings.

Authorised bases
- Cast concrete.
- Lime-cement render or cement-based render.
- Single-layer render.
- Wall levelling.
- **RHÉAMIX MONO** (**RHÉATHERM 600**, **RHÉATHERM 600 LR** and **RHÉATHERM 600 MOB** ETICS systems).
- **RHÉAPÂTE PE** (**RHÉA 400** ETICS system).

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above ground level.
- Metal surfaces.

APPLICATION

Reference documents
Standard NF P 74-201 / DTU 59.1 of June 2013

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, healthy and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The base must be level. If necessary, level it with **BÉTOMUR** or **PELLIPLAST** wall levelling compound (see data sheets).
- Base with plant pollution (mosses, algae, lichens, fungi): Treat using an anticryptogamic solution.

Product preparation
- Mix **SOLOFOND** thoroughly in the tub before application.
- **Before the LITHOCOLOR decorative render**: Apply **SOLOFOND** pure.
- **Before the "ribbed" appearance CRÉPILOR decorative render:**
  Dark colours: dilute **SOLOFOND** with water, 1 for 1 by weight.
  Very light colours: apply **SOLOFOND** pure.

Application

WORKABLE TIME AT +20°C	
Drying time before covering	2 h

- Apply **SOLOFOND** (pure or diluted) in a single application using a brush or a lambs' wool roller to correctly impregnate the base.
- Clean the tools with water while the product is fresh.

CRÉPILOR T-TM-GT-GF

ORGANIC DECORATIVE RENDERS

BRIGHTNESS AND LUMINOSITY OF COLOURS

- **Easy application**
- **Ready-to-use**
- **VPI thin ETICS system finishes**

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption

- **CRÉPILOR T**: 2 to 2.5 kg/m²
- **CRÉPILOR TM**: 2.5 to 3 kg/m²
- **CRÉPILOR GT**: 2.5 to 3 kg/m²
- **CRÉPILOR GF**: 2 to 2.5 kg/m²

Colours

680 colours
Blanc Plus (available for **CRÉPILOR T** and **CRÉPILOR TM**)

Storage

18 months in its unopened original packing and stored away from freezing temperatures and heat.

Packaging

25 kg tub

Supply

To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the render colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured grainy paste
Composition: aqueous polymer dispersion, mineral fillers, additives
Density: 1.8

PERFORMANCE MEASURED AT +20°C	
Adhesion to concrete and render	> 1 MPa
NF P 84-403 standard	Class D3
NF T 36-005 standard	Family II Class 1b
NF EN 1062-1 standard	E5 V2 W2 A0

FIELD OF USE

Purpose
Decoration of the facades of all types of buildings.

Finishes
- **CRÉPILOR T:** "floated".
- **CRÉPILOR TM:** "Medium floated".
- **CRÉPILOR GT:** "large floated".
- **CRÉPILOR GF:** "ribbed" or "sandstone"

Authorised bases
- Cast concrete.
- Lime-cement render or cement-based render.
- Single-layer render.
- Wall levelling.
- **RHÉAMIX MONO** (**RHÉATHERM 600**, **RHÉATHERM 600 LR** and **RHÉATHERM 600 MOB** ETICS systems).
- **RHÉAPÂTE PE** (**RHÉA 400** ETICS system).
- **ESPINT**.

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above ground level.
- Metal surfaces.

APPLICATION

Reference documents
Standard NF P 74-201 / DTU 59.1 of June 2013

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The base must be level. If necessary, level it with **BÉTOMUR** or **PELLIPLAST** wall levelling compound (see data sheets).
- Apply base regulator **SOLOFOND** (see technical data sheet on pages 78-79).
  This step is optional if the chosen finish is a "floated" finish.
- Large surface areas:
  Make a jointing system using adhesive paper, which will be removed before the render skin forms

Product preparation
- Mix **CREPILOR** to the bottom of the tub.
- **CRÉPILOR** can be diluted with 1 to 2 % of water.

Application

WORKABLE TIME AT +20°C	
Drying time	3 to 4 h
Time to final hardening	2 to 3 weeks

- **"Floated", "medium floated" and "large floated finish (CRÉPILOR T, TM and GT):**
  Apply **CRÉPILOR** uniformly using a stainless steel or plastic float by pulling it to the grain thickness.
  Float in a circular motion to even out and close the surface.
- **"Ribbed" or "sandstone" finish (CRÉPILOR GF):**
  Apply CREPILOR evenly using a stainless steel or plastic float by pulling it to the thickness of the grain.
  Create the structure using a plastic float by applying a vertical, horizontal or circular movement (the required pattern is printed by the coarse aggregates)
- Clean the tools with water while the product is fresh.

CRÉPILANE T-TM

ORGANIC-MINERAL
DECORATIVE RENDERS

MINERAL MATT APPEARANCE

- **Based on organic-siloxane resin**
- **Ready-to-use**
- **VPI thin ETICS system finishes**

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
- **CRÉPILANE T**: 2 to 2.5 kg/m²
- **CRÉPILANE TM**: 2.5 to 3 kg/m²

Colours
680 colours

Storage
18 months in its unopened original packing and stored away from freezing temperatures and heat.

Packaging
25 kg tub

Supply
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the render colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured grainy paste
Composition: aqueous polymer dispersion, siloxane resin, mineral fillers, additives
Density: 1.8

PERFORMANCE MEASURED AT +20°C	
Adhesion to concrete and render	> 1 MPa
NF P 84-403 standard	Class D3
NF T 36-005 standard	Family II Class 1b
NF EN 1062-1 standard	E5 V2 W2 A0

FIELD OF USE

Purpose
Decoration of the facades of all types of buildings.

Finishes
- **CRÉPILANE T**: "floated".
- **CRÉPILANE TM**: "Medium floated".

Authorised bases
- Cast concrete.
- Lime-cement render or cement-based render.
- Wall levelling.
- **RHÉAMIX MONO** (**RHÉATHERM 600**, **RHÉATHERM 600 LR** and **RHÉATHERM 600 MOB** ETICS systems).
- **RHÉAPÂTE PE** (**RHÉA 400** ETICS system).

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above ground level.
- Metal surfaces.

APPLICATION

Reference documents
Standard NF P 74-201 / DTU 59.1 of June 2013

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The base must be level. If necessary, level it with **BÉTOMUR** or **PELLIPLAST** wall levelling compound (see data sheets).
- Large surface areas:
  Make a jointing system using adhesive paper, which will be removed before the render skin forms

Product preparation
- Mix **CREPILANE** to the bottom of the tub.
- **CREPILANE** can be diluted with 1 to 2 % of water.

Application

WORKABLE TIME AT +20°C	
Drying time	3 to 4 h
Time to final hardening	2 to 3 weeks

- **"Floated" and "medium floated" finish (CREPILANE T and TM):**
  Apply **CREPILANE** evenly using a stainless steel or plastic float by pulling it to the thickness of the grain.
  Float in a circular motion to even out and close the surface.

- Clean the tools with water while the product is fresh.

LITHOCOLOR T-F

MINERAL COATINGS

HIGH AGEING RESISTANCE

- **Permeable to water vapour**
- **Long lasting aesthetics and soiling resistance**
- **VPI thin ETICS system finishes**

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
- **LITHOCOLOR T:** 2 to 2.5 kg/m²
- **LITHOCOLOR F:** 2 to 2.5 kg/m²

Colours
680 colours

Storage
18 months in its unopened original packing and stored away from freezing temperatures and heat.

Packaging
25 kg tub

Supply
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the render colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured grainy paste
Composition: siloxane resin emulsion in water (siloxane content > 40 % of the dry binder), aqueous polymer dispersion, mineral fillers, additives
Density: 1.8

PERFORMANCE MEASURED AT +20°C	
Adhesion to concrete and render	> 1 MPa
NF P 84-403 standard	Class D3
NF T 36-005 standard	Family II Class 3b
NF T 30-808 standard	Compliant
NF EN 1062-1 standard	E5 V1 W3 A0

FIELD OF USE

Purpose
Decoration of the facades of all types of buildings.

Finishes
- **LITHOCOLOR T:** "floated".
- **LITHOCOLOR F:** "fine ribbed" or "fine sandstone".

Authorised bases
- Cast concrete.
- Lime-cement render or cement-based render.
- Single-layer render.
- Wall levelling.
- **RHÉAMIX MONO** (**RHÉATHERM 600**, **RHÉATHERM 600 LR** and **RHÉATHERM 600 MOB** ETICS systems).
- **RHÉAPÂTE PE** (**RHÉA 400** ETICS system).

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above ground level.
- Metal surfaces.

APPLICATION

Reference documents
Standard NF P 74-201 / DTU 59.1 of June 2013

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The base must be level. If necessary, level it with **BÉTOMUR** or **PELLIPLAST** wall levelling compound (see data sheets).
- Apply base regulator **SOLOFOND** (see technical data sheet on pages 78-79).
- Large surface areas:
  Make a jointing system using adhesive paper, which will be removed before the render skin forms

Product preparation
- Mix **LITHOCOLOR** to the bottom of the tub.
- **LITHOCOLOR** can be diluted with 1 to 2 % of water.

Application

WORKABLE TIME AT +20°C	
Drying time	3 to 4 h
Time to final hardening	2 to 3 weeks

- **"Floated" finish (LITHOCOLOR T):**
  Apply **LITHOCOLOR** evenly using a stainless steel or plastic float by pulling it to the thickness of the grain.
  Float in a circular motion to even out and close the surface.
- **"Fine ribbed" or "sandstone" finish (LITHOCOLOR F):**
  Apply **LITHOCOLOR** evenly using a stainless steel or plastic float by pulling it to the thickness of the grain.
  Create the structure using a plastic float by applying a vertical, horizontal or circular movement (the required pattern is printed by the coarse aggregates)

- Clean the tools with water while the product is fresh.

CRÉALANE FOND

CRÉALANE "SYSTÈME FIN BASE REGULATOR

USED TO LEVEL THE BASE

- **Is part of the CRÉALANE "SYSTÈME FIN"**
- **Regulates the absorption of the base**
- **Opacifies the bottom**
- **Facilitates the application of the finishing render**

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
0.13 L / m² of pure product

Colours
611 colours

Storage
1 year in its unopened original packing and stored away from frost and high temperatures.

Packaging
15 L tub

Supply
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: white or coloured grainy liquid
Composition: aqueous dispersion of acrylic copolymers, mineral fillers, additives
Density: 1.55

PERFORMANCE MEASURED AT +20°C	
Adhesion to concrete and render	> 0.5 MPa

FIELD OF USE

Purpose
Base coat for organic decorative render **CRÉALANE T** and the **CRÉALANE "SYSTÈME FIN" system**.

Authorised bases
- Cast concrete.
- Lime-cement render or cement-based render.
- Single-layer render.
- Wall levelling.
- **RHÉAMIX MONO** (**RHÉATHERM 600** and **RHÉATHERM 600 LR** systems).

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above finished outdoor flooring level.
- Metallic surfaces.

APPLICATION

Reference documents
Standard NF P 74-201 / DTU 59.1 of June 2013

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The base must be level. If necessary, level it with **BÉTOMUR** or **PELLIPLAST** wall levelling compound (see data sheets).
- **Base with plant pollution (mosses, algae, lichens, fungi):** Treat using an anticryptogamic solution.

Product preparation
- Mix **CRÉALANE FOND** to the bottom of the tub.

Application

WORKABLE TIME AT 20°C	
Drying time before covering	1 h

- Apply **CRÉALANE FOND** in a single application, using a brush, sheep's wool roller or paint gun to properly impregnate the base.
- Before the **CRÉALANE T** or **CRÉALANE "SYSTÈME FIN"** decorative render:
  Apply **CRÉALANE FOND** pure.

- Clean the tools with water as long as the product is fresh.

CRÉALANE T

ORGANIC-MINERAL
DECORATIVE RENDER

FLOATED FINE DECORATIVE RENDER

- **Fine finish**
- **Is part of the CRÉALANE "SYSTÈME FIN"**
- **Easy application**
- **Matt appearance**

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
2 kg/m²

Colours
611 colours

Storage
1 year in its unopened original packing and stored away from frost and high temperatures.

Packaging
25 kg tub

Supply
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured grainy paste
Composition: aqueous copolymer dispersion, siloxane resin, mineral fillers, additives
Density: 1.8

PERFORMANCE MEASURED AT +20°C	
NF T 36-005 standard	Family II Class 2b
NF EN 1062-1 standard	E5 S3 V2 W2 A0

FIELD OF USE

Purpose
- Base coat for **CRÉALANE "SYSTÈME FIN"** on ETICS.
- Decoration of the facades of all types of building.

Authorised bases
- Cast concrete.
- Lime-cement render or cement-based render.
- Single-layer render.
- Wall levelling.
- **RHÉAMIX MONO** covered with **CRÉALANE FOND** (**RHÉATHERM 600**, **RHÉATHERM 600 LR** systems).

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above ground level.
- Metallic surfaces.

APPLICATION

Reference documents
Standard NF P 74-201 / DTU 59.1 of June 2013

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- The base must be level. If necessary, level it with **BÉTOMUR** or **PELLIPLAST** wall levelling compound (see data sheets).
- Apply base regulator **CRÉALANE FOND** (see technical data sheet on pages 86-87).
- **Large surface areas:**
  Make a joint pairing using adhesive paper, which will be removed before the render skin forms.

Product preparation
- Mix **CRÉALANE T** to the bottom of the tub.

Application

WORKABLE TIME AT 20°C	
Drying time	3 to 4 h
Time to final hardening	3 to 4 weeks

- Apply **CRÉALANE T** evenly using a stainless steel or plastic float by pulling it to the thickness of the grain.
- Float in a circular motion to even out and close the surface.

- Clean the tools with water as long as the product is fresh.

CRÉALANE MODELABLE

ORGANIC-MINERAL DECORATIVE RENDER

FINISHED VERY FINE FLOATED APPEARANCE

- **CRÉALANE "SYSTÈME FIN" finish**
- **Matt appearance**
- **Easy application**
- **Highly resistant to soiling**

Exterior walls

Ready-to-use

PRODUCT INFORMATION

Consumption
1.5 kg/m²

Colours
611 colours

Storage
1 year in its unopened original packing and stored away from frost and high temperatures.

Packaging
25 kg tub

Supply
To obtain a consistent colour, it is recommended to only use products with the same batch number on a same facade, as the colour may vary depending on the manufacturing process.

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured paste
Composition: aqueous copolymer dispersion, siloxane resin, mineral fillers, additives
Density: 1.8

PERFORMANCE MEASURED AT +20°C	
NF T 36-005 standard	Family II Class 2b
NF EN 1062-1 standard	E5 S3 V2 W2 A0

FIELD OF USE

Purpose
- **CRÉALANE "SYSTÈME FIN"** finish.
- Decoration of the facades of all types of building.

Authorised bases
- On ETICS: application on **CRÉALANE T** (as part of the **CRÉALANE "SYSTÈME FIN"**) as a finish for **RHÉATHERM 600** and **RHÉATHERM 600 LR**.
- Outside ETICS: possible application on TPC.

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Outer parts located less than 15 cm above ground level.
- Metallic surfaces.

APPLICATION

Reference documents
Standard NF P 74-201 / DTU 59.1 of June 2013

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- **Case of RHÉATHERM 600 and RHÉATHERM 600 LR ETICS systems:**
  The **RHEAMIX MONO** render must be covered with **CRÉALANE FOND + CRÉALANE T** dry to apply **CRÉALANEMODELABLE** according to the **CRÉALANE "SYSTÈME FIN"**.
- **Large surface areas:**
  Make a joint pairing using adhesive paper, which will be removed before the render skin forms.

Product preparation
- Mix **CRÉALANE MODELABLE** to the bottom of the tub.

Application

WORKABLE TIME AT 20°C	
Drying time	3 to 4 h
Time to final hardening	3 to 4 weeks

- **On ETICS: CRÉALANE "SYSTÈME FIN":**
  Apply one coat of **CRÉALANE T** on **CRÉALANE FOND** using a stainless steel float, then smooth the render using a stainless steel or plastic float (see technical data sheet pages 88-89).
  Leave to dry for at least 24 hours.
  Apply **CREALANE MODELABLE** using a stainless steel float.
  Remove the excess product then float using a stainless steel or plastic smoother.
- **Not of ETICS:**
  On TPC **CRÉPILOR**, **CRÉPILANE** or **CRÉALANE T** with a float finish, apply **CRÉALANE MODELABLE**.
  Remove the excess product then float using a stainless steel or plastic smoother.

- Clean the tools with water as long as the product is fresh.

RHÉACOL PSE

MORTAR FOR BONDING AND BLOCKING ETICS SYSTEM INSULATION

HIGH ADHERENCE

- **Mortar for bonding or blocking insulation in VPI ETICS systems**
- **Fixing of expanded polystyrene and rock wool insulation**

ETE / DTA

Exterior walls

PRODUCT INFORMATION

Consumption
3 to 3.5 kg/m²

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
25 kg sack - 48 sack pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: selected mineral fillers, cement, additives

PERFORMANCE MEASURED AT +20°C	
Adherence on concrete	≥ 0.5 MPa
Adherence on EPS	≥ 0.08 MPa (with rupture in EPS)

FIELD OF USE

Purpose
Bonding and blocking of external thermal insulation system insulation boards, **RHÉA 400**, **RHÉATHERM 500**, **RHÉATHERM 600** and **600 LR**.

Authorised bases
- **For bonded installation:** Flat hydraulic binder based surfaces such as concrete and hydraulic render.
- **For a blocked-anchored installation:** Bases of all kinds, flat or not

Unauthorised bases
- Plaster-based render ("pure plaster" or mixed with lime).
- Horizontal or pitched outer parts at less than 45° from horizontal.

APPLICATION

Reference documents
- European Technical Approval Guide (ETAG) n°004: "Rendered external thermal insulation systems"
- European Technical Assessments:
  RHÉA 400: valid
  RHÉATHERM 500: valid
  RHÉATHERM 600: valid
  RHÉATHERM 600 LR: valid
- Technical Application Documents:
  RHÉA 400: valid
  RHÉATHERM 500: valid
  RHÉATHERM 600 : valid
  RHÉATHERM 600 LR: valid
- CPT 3035_v3 - September 2018

Application conditions
Application temperature: +5°C to +30°C.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- Base with plant pollution (mosses, algae, lichens, fungi): Treat using an anticryptogamic solution.
- Refer to the applicable Technical Specifications and to the DTAs for the systems.

Product preparation
- Mix using a slow speed electric mixer.
- Water/powder ratio: 4.5 to 5.5 L of water per 25 kg sack.
- Mixing time: 5 min

Application

WORKABLE TIME AT +20°C	
Time the mix can be used	About 2 hours
Adjusting time	20 min

- Refer to the applicable Technical Specifications and to the DTAs for the systems.
- Clean the tools with water while the product is fresh.

RHÉACOL BOIS

ADHESIVE FOR EXTERIOR INSULATION ON WOOD PANELS

READY-TO-USE

Bonding of VPI ETICS insulation systems on timber frame constructions

PRODUCT INFORMATION

Consumption
1 to 1.5kg/m²

Storage
1 year in its unopened original packing and stored away from frost and high temperatures.

Packaging
20 kg tub

SPECIFICATIONS AND PERFORMANCES

Appearance: creamy white pasty liquid
Composition: aqueous dispersion of resins, fillers, additives

PERFORMANCE MEASURED AT +20°C	
Adherence on wood	≥ 0.5 MPa
Adherence on EPS	Higher than the EPS cohesion

FIELD OF USE

Purpose
Bonding of insulation boards to wood-based building panels

Authorised bases
- Plywood panels certified NF Extérieur CTB-X, minimum thickness 9 mm.
- CTB-H certified chipboard, minimum thickness 10 mm.
- CTB-OSB 4 certified OSB/4 panels and CTB-OSB 3 certified OSB/3 panels, minimum thickness 9 mm
- LVL laminated wood panels (CE marked) at least 15 mm thick.

Unauthorised bases
- Horizontal or pitched outer parts at less than 45° from horizontal.

APPLICATION

Reference document
- **RHÉATHERM 600 MOB** technical assessment: valid

Application conditions
Application temperature: +5°C to +30°C.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
The base must be clean, sound and dry.

Product preparation
Mix **RHÉACOL BOIS** to the bottom of the tub

Application

WORKABLE TIME AT +20°C	
Open time	20 min (at 50 % RH)
Adjusting time	20 min (at 50 % RH)
Drying time before rendering (for lower temperatures, increase this time)	48 hours

- It is essential to refer to the valid **RHÉATHERM 600 MOB** technical opinion.
- Clean the tools with water while the product is fresh.

RHÉAMIX MONO

THIN HYDRAULIC RENDER FOR RHÉATHERM 600 AND RHÉATHERM 600 LR ETICS SYSTEMS

ORGANIC, ORGANIC-SILOXANE, SILOXANE OR HYDRAULIC FINISHES

- **RHEATHERM 600 and RHEATHERM 600 LR systems: "2 in 1" insulation fixing and rendering**
- **Manual application or spraying machine**

ETE / DTA

PRODUCT INFORMATION

Consumption

- **For External Thermal Insulation (<u>except</u> terracotta facing brick finish):**
  Panel bonding or blocking: 3 to 3.5 kg/m²
  Rendering of EPS panels in standard areas: 4.5 kg/m²
  Rendering of rockwool panels in standard areas: 6 kg/m²
- For External Thermal Insulation (terracotta facing brick finish):
  Panel bonding or blocking: 3 to 3.5 kg/m²
  Rendering of EPS panels in standard areas: 6.5 kg/m²
  Rendering of rockwool panels in standard areas: 8 kg/m²
- For wall levelling:
  4,1 kg/m² (for 2 meshed coats)

Colours

White
Grey

Storage

1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging

25 kg sack - 48 sack pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: grey or white powder
Composition: cement, lime, selected mineral fillers, additives, mass water repellents and fibres
Mixed product pH: 12

PERFORMANCE MEASURED AT +20°C	
Adherence to concrete	≥ 0.25 MPa
Adherence on EPS	Higher than the EPS cohesion
Adherence on rock wool	Higher than the rock wool cohesion
European fire reaction classification **- on EPS**	B-s1, d0 or B-s2, d0
- on rock wool	A2-s1, d0 or B-s1, d0

FIELD OF USE

Purpose
- Component of External Thermal Insulation systems **RHÉATHERM 600** and **RHÉATHERM 600 LR**:
  - Bonding or blocking of insulation panels.
  - Thin hydraulic sub render.
- Other use: wall levelling before applying paint, organic decorative render or siloxane, or **RÉNOPASS CHAUX GF/GM**, **RHÉAJET**.
- Component of External Thermal Insulation system **RHEATHERM 600 MOB**:
  - Thin hydraulic sub render.

Finishes
- **CRÉPILOR T, TM, GT** or **GF**.
- **CRÉPILANE T** or **TM**.
- **LITHOCOLOR T** or **F**.
- **RHÉAJET**.
- **RÉNOPASS CHAUX GF/GM**.
- **FLEXODERM** (on a 3rd layer of render).

Authorised bases
- For ETICS (External Thermal Insulation): refer to CPT 3035_v3 - September 2018, to the ETE and DTAs for the **RHÉATHERM 600**, **RHÉATHERM 600 LR** systems and the Technical Assessment for **RHÉATHERM 600 MOB**.
- Polystyrene shuttering block masonry with smooth facing.
- For wall levelling: hydraulic or organic surfaces (including faience tiling), glass paste, ceramics.

Unauthorised bases
- Expanded polystyrene casting blocks with grooved facing.
- Dovetailed expanded polystyrene panels.
- Horizontal or pitched outer parts at less than 45° from horizontal.
- Plaster-based render ("pure plaster" or mixed with lime).
- Paint.
- Organic decorative render.

APPLICATION

Reference documents
- European Technical Approval Guide (ETAG) n°004: "Rendered external thermal insulation systems."
- European Technical Assessments:
  RHÉATHERM 600: valid
  RHÉATHERM 600 LR: valid
- Technical Application Documents:
  RHÉATHERM 600: valid
  RHÉATHERM 600 LR: valid
- Technical Assessment:
  RHÉATHERM 600 MOB: valid
- European fire reaction classification reports (according to European Standard 13501- 1)
  RHÉATHERM 600 : valid
  RHÉATHERM 600 LR : valid
- CPT 3035_v3 - September 2018

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
Refer to the current Technical Specifications, the DTAs or the Technical Assessment for the systems in question

Product preparation
- Mix using a low speed electric mixer or in a batch mixer.
- Water/powder ratio: 5.2 to 6.2 L of water per 25 kg sack.
- Mixing time: 5 min.

Application

WORKABLE TIME AT +20°C	
Time the mix can be used	About 1 hour
Time between applications	16 h minimum
Time before finishing	12 h minimum

Application and consumption thicknesses on EPS (excluding terracotta facing brick finish)

		MINIMUM CONSUMPTION	MINIMUM APPLICATION THICKNESS WHEN DRY
BASE LAYER	1st reinforced layer:	2.5 kg/m²	3 mm
	2nd reinforced layer	2 kg/m²	

Application thicknesses on RW (excluding terracotta facing brick finish)

		MINIMUM CONSUMPTION	MINIMUM APPLICATION THICKNESS WHEN DRY
BASE LAYER	1st reinforced layer:	4 kg/m²	4 mm
	2nd reinforced layer	2 kg/m²	

Refer to the DTAs for the **RHÉATHERM 600** or **RHÉATHERM 600 LR** systems and to CPT 3035_v3 - September 2018, and the technical Assessment for the **RHÉATHERM 600 MOB** system.

- Clean the tools with water while the product is fresh.

RHÉAPÂTE PE

RHÉA 400 ETICS SYSTEM
THIN ORGANIC RENDER

EXCELLENT HANDLING

- **RHÉA 400 system: insulation fixing and rendering**
- **Hydraulic or organic, glass paste and ceramic surface wall levelling**

ETE / DTA

Exterior walls

Manual application

PRODUCT INFORMATION

Consumption

- **For External Thermal Insulation:**
  Panel bonding or blocking: 3 kg/m², i.e. 3.5 kg of prepared product
  EPS panel rendering on standard parts: 4.1 kg/m²
- **For wall levelling.:**
  4.1 kg/m² (for 2 meshed layers).

Storage

1 year in its unopened original packing and stored away from frost and high temperatures.

Packaging

20 kg tub

SPECIFICATIONS AND PERFORMANCES

Appearance: beige paste
Composition: aqueous dispersion resins, mineral fillers, fibres, additives, fireproofing

PERFORMANCE MEASURED AT +20°C	
Adherence of RHÉAPÂTE PE + cement mixture on concrete	≥ 0.25 MPa
Adherence on EPS	Higher than the EPS cohesion
European fire reaction classification	C-s2, d0

FIELD OF USE

Purpose
- Component of the **RHÉA 400** External Thermal Insulation system:
  - Bonding or blocking of insulation panels when mixed with cement
  - Thin organic sub render
- Other use: wall levelling before applying paint, organic or siloxane decorative render
- Solution for the repair of existing ETICS.

Finishes
- **CRÉPILOR T, TM, GT** or **GF**.
- **CREPILANE T** or **TM**.
- **LITHOCOLOR T** or **F**.

Authorised bases
- For ETICS (External Thermal Insulation): refer to CPT 3035_v3 - September 2018, to the ETE and DTAs for the **RHÉA 400** System.
- For wall levelling: hydraulic or organic surfaces (including faience tiling), glass paste, ceramics.

Unauthorised bases
- Expanded polystyrene casting blocks with grooved and smooth facing.
- Dovetailed expanded polystyrene panels.
- Horizontal or pitched outer parts at less than 45° from horizontal.

APPLICATION

Reference documents
- European Technical Approval Guide (ETAG) n°004: "Rendered external thermal insulation systems"
- European Technical Assessment **RHEA 400**: valid
- Technical Application Document **RHÉA 400**: valid
- European reaction to fire classification report (according to European standard 13501-1) **RHÉA 400**: valid
- CPT 3035_v3 - September 2018

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
Refer to the current Technical Specifications and to the valid DTAs for the system.

Product preparation
- **Bonding and blocking of EPS panels:**
  Add approx. 3 kg of cement (CEM II A or B 32.5 or 42.5) per 20 kg tub and mix with an electric mixer.
- **Rendering of EPS panels or wall levelling.:**
  Use the pure paste.
  Mix **RHÉAPÂTE PE** to the bottom of the tub.

Application

WORKABLE TIME AT +20°C	
Time between applications	Fresh on fresh or next day application
Drying time before finishing	12 h minimum

Application thicknesses and consumption

		MINIMUM CONSUMPTION	MINIMUM APPLICATION THICKNESS WHEN DRY
BASE LAYER	1st reinforced layer:	2.6 kg/m²	2.5 mm
	2nd reinforced layer	1.5 kg/m²	

- **For External Thermal Insulation:**
  Refer to the current DTA for the **RHEA 400** system and CPT 3035_v3 - September 2018.
- **For levelling:**
  Render the surface using **RHÉAPÂTE PE** starting on one edge. Smooth carefully.
- **For reinforced levelling (on hydraulic or faienced organic surfaces, on glass paste and ceramics):**
  Coat the surface with **RHÉAPÂTE PE** over a width of just over 1 m, starting at one edge.
  Adjust the thickness using a U6 comb (6x6x6 mm serrations).
  Position the certified 4 x 4 meshed glass fabric and embed it in the **RHÉAPÂTE PE**.
  Keep an overlap between bands of 10 cm.
  Fresh on fresh, apply a 2nd application of **RHÉAPÂTE PE** and smooth it carefully.
  Leave to dry for 24 hours, then turn the fabric over on lintels and sills.
  Note: This step can be avoided by using BAE meshed corner strips.
  Cut the protruding glass fabric using scissors or a cutter.

- Clean the tools with water while the product is fresh.

RHÉAJET

THICK HYDRAULIC RENDER FOR THE RHÉATHERM 500 SYSTEM

FINISHES: "FINE SCRATCHED", "ROUGH", AND "ROUGH CRUSHED"

- **RHEATHERM 500 system: 3-in-1 insulation fixing, rendering and finishing**
- **Suitable for coating EPS casting blocks with grooved facing**
- **Applicable using a spraying machine**

ETE / DTA

PRODUCT INFORMATION

Consumption

- **RHÉATHERM** 500 ETICS system:
  - 1st layer: 9 kg/m²
  - "scratched" finish: 10 kg/m²
  - "rough" or "rough crushed" finish: 8 kg/m²
- **Rendering of cast blocks with grooved facing:**
  - 1st layer: 14 à 15 kg/m²
  - "rough" or "rough crushed" finish: 8 kg/m²
  - "scratched" finish: 10 kg/m²
- **RHÉATHERM 600 ETICS system finish:**
  - "rough" or "rough crushed": 12 kg/m²
  - "scratched": 14 kg/m²
- **RHÉATHERM** 600 LR and RHÉATHERM 600 MOB ETICS system finishing:
  - "rough" or "rough crushed": 8 kg/m²
  - "scratched": 10 kg/m²
- **TRADIROC and TRADIBÂTARD GM render finishes:**
  - "rough" or "rough crushed": 8 kg/m²
  - "scratched": 10 kg/m²

Shades
59 colours - Solar absorption coefficient < 0.7

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
30 kg bag - 42 bag pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: coloured powder
Composition: selected mineral fillers, white cement, lime, additives, mass water repellent and mineral pigments, fibres

PERFORMANCE MEASURED AT +20°C	
Adherence on concrete	≥ 0.25 MPa
Adherence on EPS	Higher than the EPS cohesion
European fire reaction classification	B-s1, d0

FIELD OF USE

Purpose

- Thick hydraulic render for the **RHÉATHERM 500** system: creation of the undercoat and finish
- Coating for EPS casting blocks with grooved facing.
- Finish for the **RHÉATHERM 600**, **RHÉATHERM 600 LR** and **RHÉATHERM 600 MOB** ETICS systems.

Authorised bases

- For ETICS (External Thermal Insulation): refer to CPT 3035_v3 - September 2018, and the ETE and DTAs for the **RHÉATHERM 500, RHÉATHERM 600**, **RHÉATHERM 600 LR** systems and the **RHÉATHERM 600 MOB** technical assessment.
- Expended polystyrene casting block masonry with grooved facing.
- Thin intermediate sub-render: **RÉNOPASS INTER**.
- On render body:
  - **TRADIBÂTARD GM GRIS / BLANC**
  - **TRADIROC**

Unauthorised bases

- Polystyrene shuttering block masonry with smooth facing.
- Pure lime render.
- Plaster-based render ("pure plaster" or mixed with lime).
- Paint.
- Organic decorative render.
- Horizontal or pitched outer parts at less than 45° from horizontal.

APPLICATION

Reference documents

- European Technical Approval Guide (ETAG) n°004: "Rendered external thermal insulation systems."
- European Technical Assessments:
  RHÉATHERM 500: valid
  RHÉATHERM 600: valid
  RHÉATHERM 600 LR: valid
- Technical Application Documents:
  RHÉATHERM 500: valid
  RHÉATHERM 600: valid
  RHÉATHERM 600 LR: valid
- Technical Assessment:
  RHÉATHERM 600 MOB: valid
- European reaction to fire classification reports (according to European standard 13501-1)
  RHÉATHERM 500: valid
  RHÉATHERM 600: valid
  RHÉATHERM 600 LR: valid
- CPT 3035_v3 - September 2018

Application conditions

- Application temperature: +5°C to +30°C.
- Dark colours: +8°C to +30°C.
- Do not apply in wet weather to avoid white blooming.
- Do not apply if there is a risk of freezing in the hours following application.

Precautions for use

In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation

Refer to the current Technical Specifications, the DTAs or the Technical Assessment for the systems in question

Product preparation

- Mix in a batch mixer.
- Water/powder ratio: 5.4 to 6 L of water per 30 kg sack.
- Mixing time: **7 minutes, to be respected imperatively.** Keep this time the same for each batch.

Application

WORKABLE TIME AT +20°C	
Time the mix can be used	About 1 hour
Time between applications	16 h minimum

Application thicknesses and consumption for the RHÉATHERM 500 system

		MINIMUM CONSUMPTION	MINIMUM APPLICATION THICKNESS WHEN DRY
BASE LAYER		9 kg/m²	5 mm
FINISHING LAYER	Scratched	10 kg/m²	5 to 6 mm.
	Rough or Rough crushed	8 kg/m²	5 to 6 mm.

Refer to the DTA for the **RHÉATHERM 500** system and CPT 3035_v3 - September 2018.

- Clean the tools with water while the product is fresh.

ACCROLOR 2

PASTE MICRO BASE COAT

IMPROVES THE ADHERENCE OF RENDERS ON SMOOTH CONCRETE

- **Reduces render bug holes**
- **Quick drying: can be rendered the same day**
- **Base coat suitable for cellular concrete blocks**

PROJECT SOLUTION TO BE CHECKED OUT P. 114-115

Exterior walls

PRODUCT INFORMATION

Consumption
- **On smooth concrete:** 100 g/m² of pure product (i.e. 150 g/m² of diluted product).
- **On cellular concrete:** 300 g/m² of pure product (i.e. 450 g/m² of diluted product).

Storage
1 year in its unopened original packing and stored away from frost and high temperatures.

Packaging
15 kg tub

SPECIFICATIONS AND PERFORMANCES

Appearance: yellow liquid
Composition: synthetic resin emulsion, fine fillers, additives
Density: 1.5
pH: 8

FIELD OF USE

Purpose
Reinforces the adherence of hydraulic renders

Authorised bases
- Concrete, in particular smooth or non-absorbent concrete.
- Cellular concrete.

Unauthorised bases
- Wet or frozen bases.

APPLICATION

Application conditions
- Application temperature: +5°C to +30°C.
- The base must not be frozen or overheated.
- Do not apply when rain or freezing temperatures are imminent.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, sound and free of any non-adhesive parts or areas that could prevent adhesion (for example: release oil, drying products, etc.).
- It must comply with the relevant CPTs and DTUS.
- Base with plant pollution (mosses, algae, lichens, fungi): Treat using an anticryptogamic solution.

Product preparation
- Add **5 L** of water directly into the tub of **ACCROLOR 2**.
- Mix carefully using a low speed electric mixer.

Application

WORKABLE TIME AT +20°C	
Minimum time before covering	45 min (the product must be dry to the touch)
Maximum time before covering	72 hours (after this period, apply a new layer)

- Apply **ACCROLOR 2** using a brush or roller, properly impregnating the base and avoiding excess.
- Wait for **ACCROLOR 2** to dry completely before applying the hydraulic render (45 min minimum at +20°C), but not more than 72 h.
  Beyond this time, apply a new layer of **ACCROLOR 2**.

- Clean the tools with water while the product is fresh.

2021-2022 Edition

MONOFLASH CL

SCRATCHING ACCELERATOR FOR SINGLE LAYER RENDERS

RENDERING WORK IN COLD WEATHER

Reduces the time before scratching

Exterior walls

Additive

PRODUCT INFORMATION

Consumption
0.5 to 1.5 L per 180 kg batch of render (6 x 30 kg bags or 8 x 25 kg bags), depending on temperature and required effectiveness.

Storage
2 years in its unopened original packing and stored away from freezing and high temperatures.

Packaging
1000 L drum
25 L container

SPECIFICATIONS AND PERFORMANCES

Appearance: cream-coloured liquid
Low viscosity
Density: 1.4 approx
pH: 7 approx

FIELD OF USE

Purpose
Reduces the time before scraping single-layer renders

Authorised bases
See render technical data sheet

Unauthorised bases
See render technical data sheet

Prohibited uses
MONOFLASH CL is not an antifreeze.

APPLICATION

Application conditions
- See render technical data sheet.
- Application temperature > +5°C.
- Industry practice remains fully applicable.
- Do not apply on frozen bases or if there is a risk of frost in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
See render technical data sheet

Product preparation
- Replace **0.5 to 1.5 L** of mixing water by the same volume of **MONOFLASH CL**.
- This dosage must be adapted to the chosen render and the application conditions.
- Use the same dose for each batch.
- Do not exceed 1.5 L. Overdosing may alter the render application and aesthetics.

Application
See render technical data sheet.

MONOTEMPO

SETTING RETARDANT FOR SINGLE LAYER RENDERS

RENDERING WORK IN HOT WEATHER

Extends the time before scratching

Exterior walls

Additive

PRODUCT INFORMATION

Consumption
1 L per 180 kg batch of render (6 x 30 kg bags or 8 x 25 kg bags).

Storage
1 year in its unopened original packing and stored away from frost and high temperatures.

Packaging
25 L container

SPECIFICATIONS AND PERFORMANCES

Appearance: colourless liquid
Density: 1.08
pH: 2 to 3

Increases the time before scraping by 1.5 to 2 hours, depending on the type of render and the application conditions.

FIELD OF USE

Purpose
Delays the setting of single-layer renders in hot weather

Authorised bases
See render technical data sheet

Unauthorised bases
See render technical data sheet

APPLICATION

Application conditions
- See render technical data sheet.
- Application temperature < +35°C.
- Industry practice remains fully applicable.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- See render technical data sheet.
- The use of **MONOTEMPO** does not dispense with the need to moisten the base in hot weather

Product preparation
- Replace **1 L** of mixing water with 1 L of **MONOTEMPO**.
- This average dosage must be adapted to the chosen render and the application conditions.
- Use the same dose for each batch.

Application
See the render technical data sheet.

VPI LATEX

ADDITIVE

MIXING RESIN FOR CONCRETES, MORTARS, RENDERS AND PLASTERS

- **Reinforces adherence and mechanical performance**
- **Improves watertightness and workability**
- **Dry extract 50 %**
- **Compatible with PITCH SHAPING MORTAR**

Additive

PROJECT SOLUTIONS TO BE CHECKED OUT ON P. 120 TO 123

PRODUCT INFORMATION

Consumption
- As a slurry: about 0.3 L/m²
- As a base coat: 0.3 to 0.6 L/m² of facade
- Mortar mixed on site: 5 to 6 L per 35 kg bag of cement

Storage
1 year in its original closed packaging stored away from freezing temperatures and heat.

Packaging
25 L container
5 L container - Box of 4 containers
2.5 L container - Box of 8 containers

SPECIFICATIONS AND PERFORMANCES

Appearance: white liquid
Composition : aqueous dispersion of synthetic resin
Density: 1
Dry extract: approx. 50 %

PERFORMANCE MEASURED AT +20°C		
	Control mortar	With VPI LATEX *
Compressive strength at 28 days	50 MPa	65 MPa
Bending resistance at 28 days	9 MPa	12 MPa
Adherence to concrete	0.4 MPa	2 MPa

* 1 volume of **VPI LATEX** for 2 volumes of water.
Laboratory values in standard conditions are given as an indication which may vary depending on use.

FIELD OF USE

Purpose
Mixing resin for mortars, renders and plasters intended for bonding, repairing, rendering, waterproofing.
- Slurries and screeds.
- Masonry assembly and pointing.
- Concrete repairs.
- Embedded installation.
- Occasional repairs and embedding.
- Scratch coat.

Authorised bases
- All bases authorised for the concrete, mortar, render or plaster being used.

Unauthorised bases
- All bases not authorised for the concrete, mortar, render or plaster being used.

Unauthorised use
- Do not apply pure.

APPLICATION

Reference documents
- DTU 26.1 "Mortar rendering work"
- DTU 26.2 "Screeds and slabs with hydraulic binders"

Application conditions
- Application temperature: > +5°C.
- Do not apply to a frozen base or if there is any risk of freezing in the hours after application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
The base must be clean, in good condition, hard and cohesive. All parts that may prevent adherence must be removed (for example: release oil, curing products, etc.).

Product preparation
- Mortars and adhesives:
  1 volume of **VPI LATEX** for 2 volumes of water.
- Base coat:
  Mix the render with a solution of 1 volume of **VPI LATEX** for 3 volumes of water.
- Slurry:
  Prepare a mixture composed of 1 volume water, 1 volume **VPI Latex**, 1 volume cement and a little sand and apply it to the base using a push broom.

Application
Apply the mixed product with **VPI LATEX** in the classic manner.

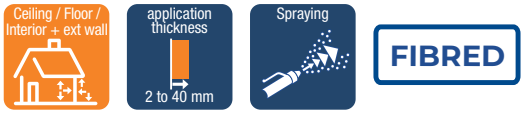
WORKABLE TIME AT +20°C	
Start of setting: **- Control mortar**	1 h 50
- Mortar mixed with VPI LATEX (1 volume for 2 volumes of water)	3 hours

RÉPAMUR R2 K120

REPAIR MORTAR

THIN, CLEAR AND THIXOTROPIC

- **Smooth thin finish**
- **Light colour for easy covering**
- **The consistency of a paste product**
- **Fibred to limit shrinkage microcracking**
- **Applicable in thick coats**



PRODUCT INFORMATION

Consumption
18 kg/m²/cm thickness.

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
25 kg sack - 48 sack pallet
5 Kg bag - Pack of 4 bags

SPECIFICATIONS AND PERFORMANCES

Appearance: light grey powder
Composition: cement, mineral fillers, specific additives, fibres
Grading: 0.4 mm max

PERFORMANCE MEASURED AT +20°C AT 28 DAYS	
Carbonation resistance	Compliant with the NF EN 13-295 standard
Adherence to concrete	0.8 MPa
Compressive strength	15 MPa
Fire behaviour	A1

2021-2022 Edition

FIELD OF USE

Purpose

- One-off or general repairs:
  - building facade,
  - prefabricated concrete elements...
- Spalls, concrete chips, filling, reprofiling, etc.
- Balcony nosing, stair nosing, edging, acroteria, cornice, slope shape...

Authorised bases

- Cast concrete.
- Cement render.
- Concrete block masonry, solid brick.

Coatings

- Paint.
- Organic decorative render.
- Tiles, natural stone, facing bricks.
- Hydraulic render.

TIME BEFORE COVERING		
Thickness of application	**2 mm**	**40 mm**
Paint	12 hours	24 hours
Hydraulic render or levelling	24 hours	24 hours

Unauthorised bases

- All plaster-based bases.
- Bases treated with a surface water repellent.

Prohibited uses

- In areas exposed to strong chemical aggressions.
- Permanently immersed.

APPLICATION

Reference documents

- Compliant with the CE marking of the NF EN 1504-3 standard class "Products and systems for structural and non-structural repairs"- Class R2.

Application conditions

- Application temperature: +5°C to +30°C.
- Do not apply in full sunlight, on warm or frozen bases or if there is any risk of freezing temperatures in the hours following application.

Precautions for use

In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation

- The base must be sound, dry and free of any non-adhering areas or areas liable to have a negative impact on adherence. Pick it if required.
- Wet the base the day before application. The base must be wet in depth but not seeping on the surface.
- Strip corroded rebars, brush clean using a metal brush.
- Apply rust converter **PASSIFER** or **RÉPAFER** rust inhibitor micro-mortar.

Product preparation

- Mix using a slow speed electric mixer.
- Mixing must be maintained for at least 3 minutes until a consistent mixture is obtained.
- Water/powder ratio:
  - **4.5 to 5 L** of water per 25 kg bag
  - **1 L** of water per 5 kg bag.

Application

WORKABLE TIME AT +20°C	
Time the mix can be used	1 h
Start of setting	1 h 30
End of setting	3 hours
Time between applications	4 hours

- Apply with a trowel as in the case of normal mortar at the rate of **2 to 40 mm** per application without form work.
- If two layers are needed, leave the first rough and apply the second after 4 hours.
- Finish using a plastic, polystyrene or sponge float.
- Protect the fresh mortar from frost, wind and sun while it is setting.

- Clean the tools with water while the product is still fresh.

RÉPASTRUCTURE R3 K130

REPAIR MORTAR

STRUCTURAL IN THICK LAYERS

- **Can be applied in thicknesses of 5 to 50 mm**
- **Fibred with compensated shrinkage**
- **No need to use passivator**
- **Complies with the NF EN 1504-7 standard "products and systems for protection of rebars from corrosion"**
- **Facilitated mixing and application**
- **Seawater resistant**

PRODUCT INFORMATION

Consumption
2 kg/m²/mm thickness.

Storage
1 year in the original closed packaging not in contact with the ground, on dry, temperate and minimally ventilated premises.

Packaging
25 kg sack - 48 sack pallet

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Composition: cement, mineral fillers, specific additives, fibres
Grading: 0/1 mm max.

PERFORMANCE MEASURED AT +20°C AT 28 DAYS	
Adherence on concrete	1.5 MPa
Compressive strength	25 MPa
Modulus of elasticity	15 GPa
Carbonation resistance	compliant with the EN 13295 standard
Fire behaviour	A1

FIELD OF USE

Purpose
- One-off or general repairs:
  - building and engineering structures,- concrete blocks...
- Corrosion protection of steel, filling, honeycombing, etc.
- Beam, slab, post, invert, lintel...

Authorised bases
- Cast concrete.
- Cement render.
- Concrete block masonry, solid brick.

Coatings
- Paint.
- Organic decorative render.
- Tiles, natural stone, facing bricks.
- Hydraulic render.

TIME BEFORE COVERING		
Thickness of application	**5 mm**	**50 mm**
Paint	12 hours	48 hours
Hydraulic render or levelling	24 hours	24 hours

Unauthorised bases
- All plaster-based bases.
- Organic coatings.
- Bases treated with a surface water repellent.

Prohibited uses
- In areas exposed to strong chemical aggressions.
- Permanently immersed.

APPLICATION

Reference documents
- Compliant with the CE marking of the NF EN 1504-3 standard class "Products and systems for structural and non-structural repairs"- Class R3.
- Complies with the CE marking of the NF EN 1504-7 standard "Products and systems for protection of rebars from corrosion"

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply in full sunlight, on warm or frozen bases or if there is any risk of freezing temperatures in the hours following application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be sound, dry and free of any non-adhering areas or areas liable to have a negative impact on adherence. Pick it if required.
- Wet the base the day before application. The base must be wet in depth but not seeping on the surface.
- Strip corroded rebars, brush clean using a metal brush.
- If the repair cannot be done immediately, apply **REPAFER** Corrosion Inhibitor Micro Mortar or **PASSIFER**Rust Converter.
- If the repair is carried out immediately after brushing the steel, **RÉPASTRUCTURE R3** can be applied directly to the rebars.

Product preparation
- Mix using a slow speed electric mixer.
- Water/powder ratio: 3.75 L of water per 25 kg sack.
- Time before painting: 48 hours.

Application

WORKABLE TIME AT +20°C	
Time the mix can be used	30 min
Start of setting	1 h
End of setting	1 h 30
Time between applications	6 hours

- Apply with a trowel as in the case of normal mortar at the rate of **5 to 50 mm** per application without form work.
- If two layers are needed, leave the first rough and apply the second after 6 hours.
- Finish using a plastic, polystyrene or sponge float.
- Protect the fresh mortar from frost, wind and sun while it is setting.

- Clean the tools with water while the product is fresh.

PASSIFER K110

SUPPLEMENTARY REPAIR PRODUCT

RUST CONVERTER FOR REBARS

- **Blocks the spread of rust**
- **Compatible with all repair mortars and paints**
- **Product in aqueous phase**

Ready-to-use

PRODUCT INFORMATION

Consumption
200 to 300 g/m² of reinforcement
1 L for about 50 linear metres

Storage
1 year in its unopened original packing and stored away from frost and high temperatures.

Packaging
1 kg container - Pack of 6 containers

SPECIFICATIONS AND PERFORMANCES

Appearance: beige
Composition: ready-to-use acid solution
Density: 1.1
pH: 4

FIELD OF USE

Purpose
- Protection of steel rebar before concrete repairs.
- Rust protection of ferrous metals before painting.

Authorised bases
- Reinforced concrete.
- Steel
- Ferrous metals.

Prohibited uses
- On immersed or seeping bases.
- Without a coating (left bare).

APPLICATION

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply to a frozen base or if there is any risk of freezing in the hours after application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, in good condition, hard and cohesive.
- Brush the rebars down to white metal using a wire brush. Remove the dust.

Product preparation
Shake the container to homogenise the solution.

Application

WORKABLE TIME AT +20°C	
Reaction time	30 min
Time before covering	4 hours

- Pour the required quantity into a non-metal container
- Apply to the surfaces to treat using a brush. The surface turns black.
- If the rust has not been completely converted after the 1st application, a 2nd application may be required.
- Apply the repair mortar as soon as the surface has turned black (4 h after the application of **PASSIFER** at +20°C).
- After use, never pour **PASSIFER** back into its original packaging.

- Clean the tools with water as long as the product is fresh.

RÉPAFER K112

SUPPLEMENTARY REPAIR PRODUCT

ACTIVE REBAR PROTECTION

- **Compliant with the NF EN 1504-7 standard**
- **Easy to use**
- **Excellent adherence**

Ready to mix

CE

PRODUCT INFORMATION

Consumption
300 g/m²

Storage
1 month in its original sealed packaging stored at a temperature between +5°C and +25°C.

Packaging
1 kg pot

SPECIFICATIONS AND PERFORMANCES

Appearance: grey powder
Density: 1.6

FIELD OF USE

Purpose
- Protection of steel rebar before concrete repairs.

Authorised bases
- Reinforced concrete.
- Steel
- Ferrous metals.

Unauthorised use
- On immersed or seeping bases.

APPLICATION

Reference documents
- Complies with the CE marking of the NF EN 1504-7 standard "Products and systems for protection of rebars from corrosion"

Application conditions
- Application temperature: +5°C to +30°C.
- Do not apply to a frozen base or if there is any risk of freezing temperatures in the hours after application.

Precautions for use
In order to protect your health and the environment, and for the safe use of this product, follow the precautionary advice that is featured on the packing label.
You can find the safety instructions for this product on the Safety Data Sheet (SDS) available on quickfds.com.

Base preparation
- The base must be clean, in good condition, hard and cohesive.
- All parts that may prevent adherence must be removed.
- Brush corroded rebars using a metal brush.
- Non-adherent corroded parts must be removed.
- If the rebars have corrosion residue after brushing, apply **PASSIFER**.

Product preparation
- Mix **RÉPAFER** using a slow speed mixer for 2 minutes.
- Water/powder ratio: **0.25 L** of water per 1 kg pot.

Application

WORKABLE TIME AT +20°C	
Time the mix can be used	20 min
Time before covering	1 hour

- Apply to the surfaces to treat using a brush.
- Clean the tools with water while the product is fresh.

FACADE RENDER BASES

To successfully apply a façade render, the base must first be correctly analysed using the CASFAS method (Clean, Adherent, Strong, Flat, Absorbent, Sound).

The base must be:

Clean
Remove dust and any loose parts.
Treat moss, algae, lichen and fungi using a cryptogamic product.

Flat
Film coatings (paints, organic decorative coatings, etc.) are applied to perfectly flat bases.
If necessary, level them.

Adherent
Test the adherence of old coatings:
- Hydraulic renders: sound using a hammer and remove any hollow-sounding parts.
- Paints and organic decorative coatings: create a grid using a cutter (8 vertical and 8 horizontal cuts).

At least 80% of the squares must remain in place.
Otherwise, remove the non-compliant parts.

Absorbent
Before applying a hydraulic render, assess the base porosity by spraying water on the façade:
- if the water runs off, the base is not porous,
- if it beads, the base is waterproofed,
- if it is absorbed: the support is porous.

This criterion determines a specific preparation for the chosen render.

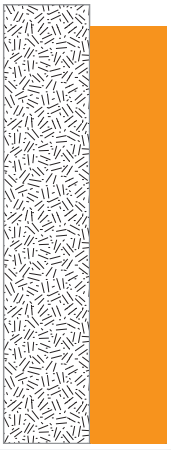
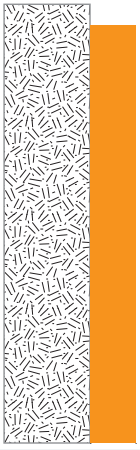
Strong
Test the hardness of old hydraulic renders using a pointed tool (screwdriver...). If the tool penetrates easily, remove the render.

Healthy
Locate and treat cracks in the base.
The treatment depends on the width and origin of the crack.

SINGLE-LAYER RENDERS

On rough masonry, a single-layer render provides waterproofing, provided it is applied in 12 mm thickness, and decoration, if it is tinted.

On a base that is already waterproof (concrete or undercoat), the single-coat render has only a decorative function:
it is thus applied in a thickness of about 7 mm.

	WATERPROOFING + DECORATION	DECORATION
Base	Rough masonry	Concrete
Fresh render thickness	12 to 15 mm (on well finished masonry)	5 to 8 mm.
		
Finished render thickness	12 mm	7 mm

The rules for choosing a single-coat render depending on to the base and its application follow DTU 26.1.

Choice of render depending on the base

BASE	RENDER CATEGORY
Rt3 Masonry **Examples: common aggregate concrete blocks, bricks, concrete**	OC1, OC2 or OC3
Rt2 Masonry **Examples: bricks, lightweight aggregate concrete blocks**	OC1 or OC2
Rt1 Masonry **Example: autoclaved cellular concrete blocks**	OC1

The OC render category is indicated on its QB Certificate and on its technical data sheet.
On rough masonry, regardless of the base and the selected finish, a single-coat render is always **applied in 2 passes**.
Note: there is only one case where application in 1 pass is tolerated. This is the application of a "scratch" finish on:
- Consistent masonry: all the facade elements must be of the same type, including the lintels...
- and well finished: the thickness defects must be less than 10 mm under the 2 m rule and 7 mm under the 20 cm rule.

Whichever finish is chosen, the render thickness must never be less than 10 mm at any protruding point on the masonry, including hollow pointing or cornice outlines.

TRADITIONAL RENDERS

These renders are applied in several layers, over a total thickness of about 20 mm. The render selection rules depending on the base, the thicknesses and the drying times between the layers follow DTU 26.1.

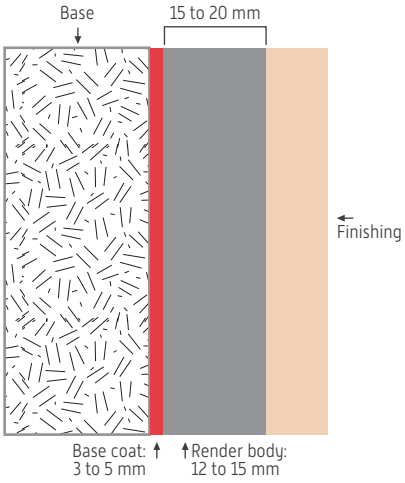
Choice of render depending on the base

BASE	RENDER CLASS
Rt3 Masonry **Examples: common aggregate concrete blocks, Rt3 bricks, concrete**	CS II, CS III or CS IV
Rt2 Masonry **Examples: Rt2 bricks, lightweight aggregate concrete blocks**	CS II or CS III
Rt1 Masonry **Example: autoclaved cellular concrete blocks**	CS II

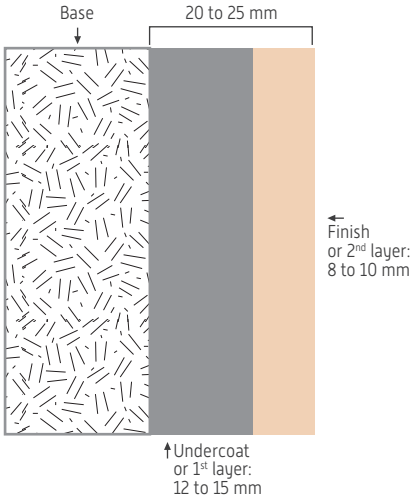
The render class indicated on its technical data sheet.

Layer thickness

3-layer system
(manual application or using spraying machine)



2-layer system
(application using a spraying machine)



Drying time between layers

LAYER	DRYING TIME
Base coat	2 to 7 days
Render body or 1st layer	- 4 to 7 days for a hydraulic render finish - 7 days for a paint finish, organic decorative render, mineral or thick organic-mineral coating - 3 weeks for a tiled finish

DECORATING FACADES WITH RENDER

Combining colours and aspects

The junction between two shades or between two aspects can be made edge to edge or using a suitable profile.

Create patterns and modelling in hollows or extra thickness

The recessed patterns can be made using fresh or hardened render, using a suitable tool (pointing iron, gauge saw, etc.).
On masonry, the thickness at the bottom of the recessed pattern must never be less than:
- 10 mm for single-layer renders,
- 15 mm for traditional renders.

Extra thickness patterns are made using templates or rules fixed to the façade before spraying.
On masonry, the render thickness must not exceed 25 mm in any one spot.

RENDERING CELLULAR CONCRETE FACADES

PRODUCTS TO BE USED

ACCROLOR 2
Paste micro base coat
Technical data sheet on page 100

MONOPASS GF/GM
Single coat, tinted fine or medium grain render, OC1 class, available in zone 2 (South)
Technical data sheets on pages 22/25

BASE PREPARATION

- Level the overplus.
- Scratch smooth surfaces: block cuts in corners or on sills...
- Remove dust from all surfaces using a soft brush.

BASE COAT: ACCROLOR 2

1

Add **5 L** of water directly into the **ACCROLOR 2** tub and carefully mix using an electric mixer.

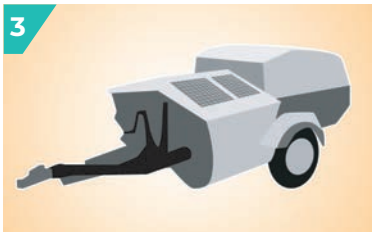
2

Apply the mixture with a roller or brush and leave to dry (from 45 min to 72 h maximum, at +20°C). When the render is applied, the product must be dry to the touch.

RENDERING: MONOPASS GF/GM

(Case of well finished and consistent masonry)

3

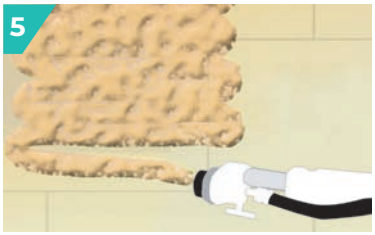


Mix the render according to the recommendations on the technical data sheets. The same mixing time and the same amount of water must be used for each batch.

4

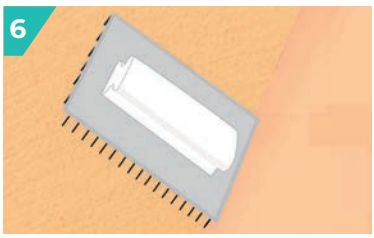
Smooth the 30 x 20 cm glass mesh squares at 45° at each corner of the openings.

5



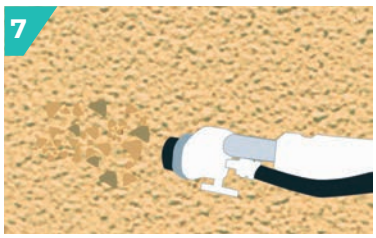
"Scraped" finish: spray the render to a thickness of 15 mm. Adjust and flatten it carefully.

6



As soon as it has hardened sufficiently, scrape it using a nail float.

7



"Rough spray" finish: spray the render to a thickness of 10 mm. Adjust and flatten it. Leave to set (4 hours to 3 days, at +20°C), then spray the grain to a thickness of 5 mm.

8

"Crushed rough" finish: crush the grain using a float before it hardens.

Whichever finish is chosen, the render thickness must not be less than 10 mm at any protruding point on the masonry (including hollow pointing or moulding), nor more than 25 mm (including for overlaid moulding).

VARIANTS

- For manual application, use **ENDUNI** tinted single-layer render.
- If the selected finish is paint, an organic or siloxane decorative render, use **MONOPASS ECO GRIS** single-coat render.

INFO PLUS

Cellular concrete has a porous and fragile structure.
It is part of the low strength bases classified Rt1 according to DTU 26.1.
It must therefore be covered with a suitable render.

RENDERING RT2-RT3 BRICK FACADES

PRODUCTS TO BE USED

MONOPASS GF/GM
Single layer, tinted, fine or medium grain render, OC1 class, available in zone 2 (South)
Technical data sheets on pages 22/25

OR

MONOCAL GF/GM
Single layer, tinted, fine or medium grain render, classified OC2, available in zone 1 (North)
Technical data sheets on pages 26/29

OR

MONOCAL BLANC POLAIRE
Single layer, extra white, fine grain render, OC2 class
Technical data sheet on pages 30/31

OR

MONOLOR GF
Single layer, tinted, fine grain render, OC2 class, available in zone 2 (South)
Technical data sheet on pages 34/35

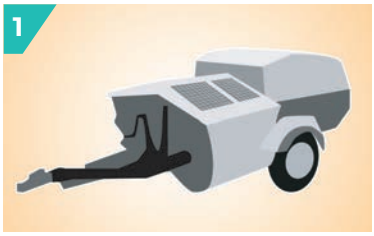
BASE PREPARATION

- Flatten the overplus.
- Quickly soak the surface to be rendered but not excessively, less than half an hour before rendering, or as rendering progresses.
  This soaking is regardless of the ambient weather conditions.
- Mechanical masonry joins/wall ties and joins between heterogeneous bases: bridge them using glass mesh smoothed into the 1st application of render, as per DTU 20.1 and 26.1.

RENDERING

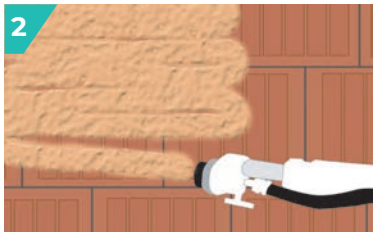
(Case of well finished masonry)

1



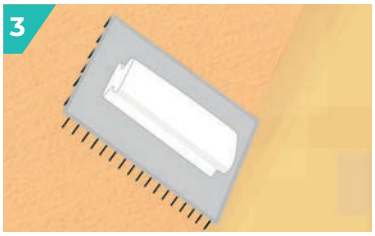
Mix the render according to the recommendations on the technical data sheets.
The same mixing time and the same amount of water must be used for each batch.

2



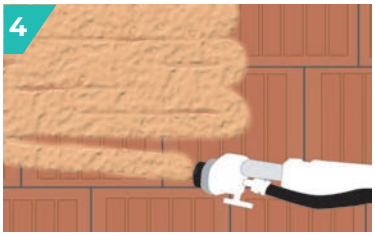
"Scratched" finish:
Spray a 1st application of render to a thickness of 7 mm.
Smooth the 30 x 20 cm glass mesh squares at 45° at each corner of the openings.
Adjust and smooth the render.

3



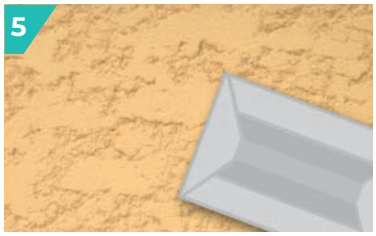
Apply a 2nd layer of render to a thickness of 8 mm.
Adjust and smooth the plaster carefully.
As soon as it has hardened sufficiently, scrape it using a nail float.

4



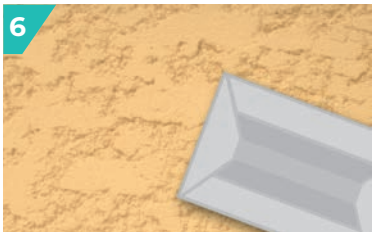
"Rough sprayed" or "rough crushed" finish:
Spray a 1st application of render to a thickness of 10 mm.
Smooth the 30 x 20 cm glass mesh squares at 45° at each corner of the openings.
Adjust and smooth the render.

5



Leave to set (4 hours to 3 days, at +20°C), then spray the grain to a thickness of 5 mm.

6



"Crushed rough" finish:
Crush the grain using a float before it hardens.

Whichever finish is chosen, the render thickness must not be less than 10 mm at any protruding point on the masonry (including hollow pointing or moulding), nor more than 25 mm (including for overlaid moulding).

VARIANTS

- For manual application, use **ENDUNI** tinted single-layer render.
- If the selected finish is paint, an organic or siloxane decorative render, use **MONOPASS ECO GRIS** grey single-coat render.

INFO PLUS

Bricks are amongst the Rt2 and Rt3 bases according to DTU 26.1.
Furthermore, their surface has specific porosity.
They must therefore have specific preparation before being covered by a suitable render.

INSTALLING TERRACOTTA TILES ON EXTERIOR FACADE ON POURED CONCRETE

PRODUCTS TO BE USED

COLLIFAÇADE
Flexible adhesive mortar used to bond terracotta wall tiles and ceramic and similar coverings.
Technical data sheet on pages 48/49

TRADIJOINT
Waterproof mortar formulated to prevent the fractioning of facades. 16-shade colour chart with a selection of greys, reds and more pastel colours.
Technical data sheet on pages 50/51

Currently, the bonded application of terracotta tiles on poured concrete is covered by DTU 52.2 P 1 1 2 of December 2009 and its A1 October 2014 amendment.

BASE

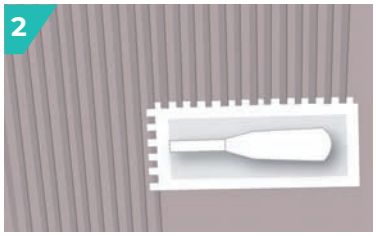
- The concrete base must be at least 2 months old and 3 months old for buildings of three storeys or more.
- Local corrections are needed to correct unevenness and are only carried out after purging:
  - Either using **COLLIFAÇADE** for thickness adjustments of up to 7 mm, respecting a 24 hour wait before continuing the work;
  - Or using **RÉPATECH R4** repair mortar for more severe cases.

USE CONDITIONS

- Air temperature ≥ 5°C.
- Base temperature: between +5°C and +30°C.
- No risk of freezing weather during application and within the next 24 hours.
- Use in direct sunlight or on a surface that has recently been exposed to the sun, when raining and/or windy prohibited.

BONDING. COLLIFAÇADE

Mix **COLLIFAÇADE** using an electric mixer.

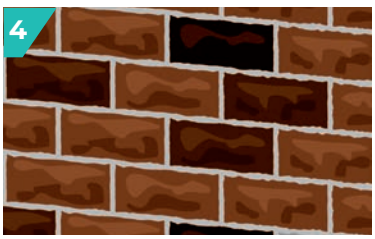


Proceed by applying the product on one side.
Spread **COLLIFAÇADE** on the base using a smoother and then spread it using a U6 comb.

The tiles are laid using staggered joints on the freshly applied mortar.
The terracotta tiles are then pressed hard and lightly beaten using a rubber mallet to obtain a bonded surface plane without bubbles.
The pointing width between tiles is 6 mm.
The shell expansion and the joints between the structure and the infill masonry must be respected in the adhesive mortar and the tiles.
The modulus of elasticity of **TRADIJOINT** pointing mortar makes it possible to dispense with the use of fractioning joints.

POINTING: TRADIJOINT

The day after application, fill the pointing around the construction hard points using polyurethane sealant.



Mix **TRADIJOINT** using an electric mixer and keep it mixing for 5 minutes. This time should systematically be the same for each batch.
Fill the joints with a mortar pump or pointing iron.
Tighten using a pointing iron or a round-nose trowel.
As soon as the mortar starts to set, clean the excess **TRADIJOINT** using a wire brush.

VARIANTS

Pointing can also use **RÉNOPASS CHAUX GF/GM**.

INFO PLUS

- Terracotta facade coverings suffer significant mechanical stresses due to their exposure to heat, cold, the elements, impacts, etc.
- The application products must have excellent deformability performance.
- Terracotta wall tiles specifications:
  - Maximum surface area of each element: 231 cm2
  - Slenderness between 2 and 7
  - Density of the elements to be installed ≤ 40 kg/m^2
  - Solar absorption coefficient ≤ 0.9

The maximum solar absorption coefficient value is reduced to 0.7 for structures of between 6 m and 28 m high, for facades exposed to the sun (from South-East to West), in particular:
- Window frames, sills or bands,
- Decorative facade bands provided that their width does not exceed 50 cm and that they do not account for more than 20 % of the facade.

RENOVATING OLD STONE OR BRICK FACADES

PRODUCTS TO BE USED

VPI LATEX
Mixing resin for renders and mortars
Technical data sheet on page 103

RÉNOPASS CHAUX CLAIR
Traditional white lime straightening for the renovation of old masonry
Technical data sheet on pages 66/67

RÉNOPASS CHAUX GM
Mineral lime facing render
Medium Grain
Technical data sheet on pages 68/69

OR

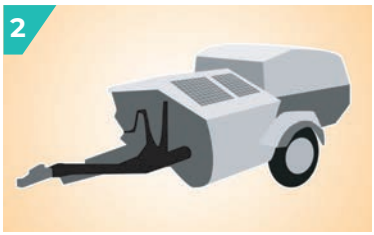
RÉNOPASS CHAUX GF
Mineral lime facing render
Fine grain
Technical data sheet on pages 68/69

BASE PREPARATION

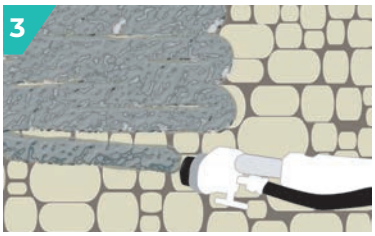
- Eliminate all no adhering parts or parts that can compromise adherence.
- Clear the pointing to a depth of 2 to 3 cm, unless the base needs to be meshed (see below).
- Replace the missing elements and seal them using **RÉNOPASS CHAUX CLAIR**.
- Wash with pressurised water.
- Fix a galvanised mesh (compliant with the NF A 91-131 standard) using rust-proof nails in the following cases:
  - hard and non-absorbent stone masonry,
  - very porous brick masonry,
  - heterogeneous masonry,
  - irregular surface requiring the application of a thick layer of render (over 30 mm).

ROUGH COAT: VPI LATEX

Mix 1 volume of **VPI LATEX** VPI to 3 volumes of water.

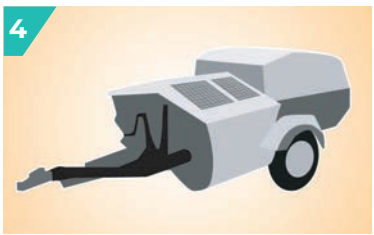


Prepare a base coat by mixing the liquid **RÉNOPASS CHAUX CLAIR** with this mixture.

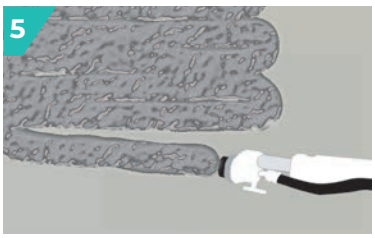


Spray the base coat using a machine (or trowel) to a thickness of 3 to 5 mm. Leave to dry overnight.

RENDER BODY: RÉNOPASS CHAUX CLAIR



Mix **RÉNOPASS CHAUX CLAIR** for 5 minutes in a batch machine, concrete mixer or using an electric mixer with **4.5 to 5 L of** water per 25 kg bag.

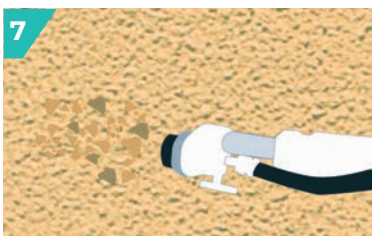


Apply a 1st application using a machine or trowel, which should fill the pointing and cover the bare stone by about 5 mm.

On meshed bases, apply a sufficient thickness to properly coat the mesh. Straighten using a rule, leaving the render surface rough.

FINISH: RÉNOPASS CHAUX GM OR RÉNOPASS CHAUX GF

On these bases, prefer the "rough spray" and "crushed rough" finishes.
Before finishing, leave the render body to dry according to its total thickness:
- from 12 to 15 mm: 12 hours,
- from 15 to 30 mm: 4 to 7 days,
- from 30 to 50 mm: 2 to 3 weeks.



"Rough spray" finish: spray the render to a thickness of 5 mm. Adjust and flatten it. Leave the render to set (4 hours to 3 days, at +20°C), then spray the grain to a thickness of 5 mm.

"Crushed rough" finish: crush the grain using a float before it hardens.

VARIANTS

The **RÉNOPASS CHAUX CLAIR** render body can be replaced by **RÉNOJET CLAIR**.

INFO PLUS

Old stone or brick masonry bases are often irregular and sometimes fragile: renovation renders must therefore be very flexible, so that they can be applied thickly and adapt to the fragility of the base.
Moreover, old walls need to "breathe": renovation renders must therefore be highly permeable to water vapour.
The inclusion of air-slaked lime (or fat lime) in these renders allows them to meet these constraints.

RENOVATING OLD ADOBE OR CLINKER FACADES

PRODUCTS TO BE USED

VPI LATEX
Mixing resin for renders and mortars
Technical data sheet on page 103

RÉNOPASS CHAUX CLAIR
Traditional white lime straightening for the renovation of old masonry
Technical data sheet on pages 66/67

RÉNOPASS CHAUX GM
Mineral lime facing render
Medium Grain
Technical data sheet on pages 68/69

OR

RÉNOPASS CHAUX GF
Mineral lime facing render
Fine grain
Technical data sheet on pages 68/69

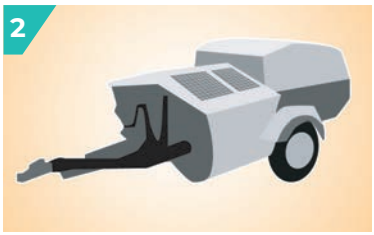
BASE PREPARATION

- **On adobe:**
  Completely remove the existing render.
  Remove all dust carefully using a soft brush.
  Never water the adobe because it softens and swells with moisture, which reduces its strength.
  Fill the holes with the most compatible materials (brick or stone).
- On **clinker:**
  Remove all non adhering parts or parts that can compromise adherence.
  Fill the holes with the most compatible materials (brick or stone).
  Fix a galvanised mesh (compliant with the NF A 91- 131 standard) using rust-proof nails.

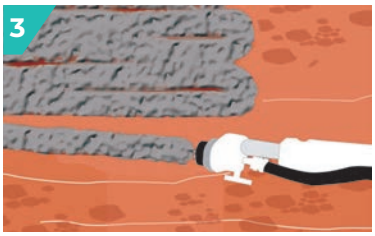
ADOBE is old raw clay masonry.
The earth for adobe was either used as such (earth from the Dauphiné, Lyonnais or Bresse regions), or with added straw (cob) or pebbles, depending on the region.
CLINKER is a coal combustion residue.
Crushed, it was used in the composition of certain concretes or mortars in order to form what is known as clinker concrete.

ROUGH COAT: VPI LATEX

Mix 1 volume of **VPI LATEX** VPI to 3 volumes of water.

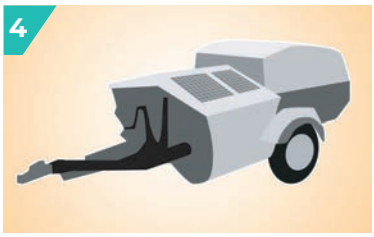


Prepare a base coat by mixing the liquid **RÉNOPASS CHAUX CLAIR** with this mixture.



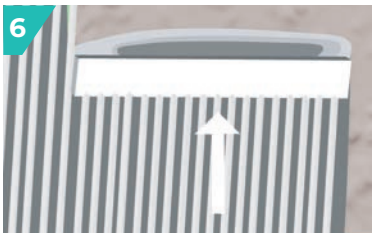
Spray the base coat using a machine (or trowel) to a thickness of 3 to 5 mm. Leave to dry overnight.

RENDER BODY: RÉNOPASS CHAUX CLAIR



Mix **REGOPASS LIGHT Lime** for 5 minutes in a batch machine, concrete mixer or using an electric mixer with **4.5 to 5 L of** water per 25 kg bag.

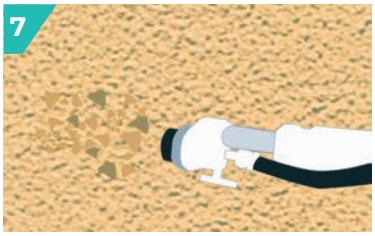
Apply a 1st pass using a machine or trowel, thick enough to coat the mesh.



Straighten using a rule, leaving the render surface rough.

FINISH: RÉNOPASS CHAUX GM OR RÉNOPASS CHAUX GF

On these bases, prefer the "rough spray" and "crushed rough" finishes.
Before finishing, leave the render body to dry according to its total thickness:
- from 12 to 15 mm: 12 hours,
- from 15 to 30 mm: 4 to 7 days,
- from 30 to 50 mm: 2 to 3 weeks.



"Rough spray" finish: spray the render to a thickness of 5 mm.
Adjust and flatten it. Leave the render to set (4 hours to 3 days, at +20°C), then spray the grain to a thickness of 5 mm.

"Crushed rough" finish: crush the grain using a float before it hardens.

VARIANTS

The **RÉNOPASS CHAUX CLAIR** render body can be replaced by **RÉNOJET CLAIR**.

INFO PLUS

Adobe and clinker are fragile materials.
Furthermore, they are often damaged and the thicknesses to be repaired can be quite significant in places.
Adobe is vulnerable to humidity: it swells in winter and shrinks in summer.
Renovation renders must therefore be very flexible and have high water vapour permeability. The inclusion of air-slaked lime (or fat lime) in these renders allows them to meet these constraints.

RENOVATING FACADES COVERED IN OLD PAINT OR TPC

PRODUCTS TO BE USED

RÉNOPASS INTER
Thin separating undercoat for the renovation of old paint and TPC, amongst others
Technical data sheet on pages 70- 73

GRID TEST RESULT CLASSIFICATION (EXCERPT FROM THE NF EN ISO 2409 STANDARD)

CLASSIFICATION	DESCRIPTION	APPEARANCE OF THE GRIDDED AREA WHERE FLAKING HAS OCCURRED (example of 6 parallel cuts)
0	The cut edges are perfectly smooth. None of the grid squares have come off.	
1	Small flakes of the coating have come off at the cut intersections. Less than 5% of the grid area is impacted.	
2	The coating has flaked off along the edges and/or at the cut intersections. More than 5% of the grid area is impacted but less than 15%.	
3	The coating has flaked off along the cut edges in part or in whole in wide bands and/or has flaked off in part or in whole at various points in the grids. A grid area of more than 15% but less than 35% is impacted.	
4	The coating has flaked off along the cut edges in wide strips and/or some squares have partially or completely come off. A grid area of more than 35% but less than 65% is impacted.	
5	All degrees of flaking that cannot be classified as 4.	-

ORGANIC COATINGS SOUNDING TESTS TO BE CARRIED OUT BEFORE APPLICATION OF RÉNOPASS INTER

Test 1: Coating appearance
- **Method:** the inspection is visual.
- **Result:** the coating must be in good condition and must not have any micro-cracks, peeling or flaking.
  The coating must not be flexible (this can be determined using a cutter or key).

Test 2: Coating adhesion using a dry grid
- **Method:** make cuts in the coating down to the base using a cutter:
  6 parallel vertical and 6 parallel horizontal cuts at least 2 x 2 mm apart for paint or 5 x 5 mm for organic decorative coating.
- **Result:** the test result can be assessed by simple visual analysis. This analysis takes into account how the coating comes off and the percentage of the surface that has come off and results in a class according to the table opposite.
- **Assessment:** Classes 0, 1, 2: Good
  Class 3: Suspect
  Class 4, 5: Bad

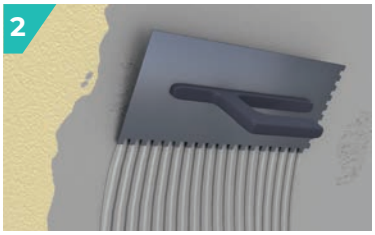
Test 3: Coating vulnerability to water
The test is carried once on each façade of the building.
- **Method:** moistening of the coating using a sponge soaked in water for 30 minutes. Visual and touch inspection is carried out after 10 minutes of drying.
- **Result and assessment:**
  - Good if no visible alteration (swelling), or softening
  - Bad otherwise

Test 4: Wet grid adhesion
The test is carried once on each façade of the building.
- **Method:** the same as test 2 on the moistened area of test 3 after 10 min of drying.
- **Result and assessment:** Classes 0, 1, 2 and 3: Good
  Classes 4, 5: Bad

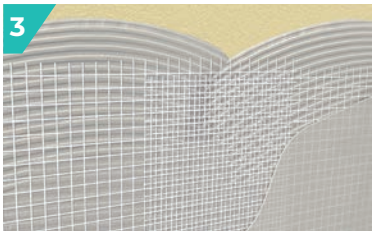
If the results of these 4 tests are positive, the old coating can be kept and, after the base has been cleaned, covered using the **RENOPASS INTER** separation undercoat.
Following the tests, if the base proves to be incompatible, the coating must be completely removed by stripping.

RÉNOPASS INTER APPLICATION

Mix **RÉNOPASS INTER** with **5.2 to 6.2 L** of water per 25 kg bag.



Sound base
If the base is sound, apply **RENOPASS INTER** to a maximum thickness of 3 mm in one pass, 5 mm locally.
If the base is sound but rough, apply **RENOPASS INTER** to a thickness of between 5 and 7 mm in two passes.



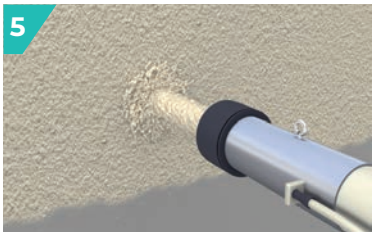
Base with occasional repaired areas
Apply the 1st pass of **RÉNOPASS INTER** and embed the **TISSU DE VERRE** mesh over the repair zone using a U6 comb. This bridging should extend at least 10 cm on either side of the treated area.
Then apply the 2nd coat of **RÉNOPASS INTER**.
If the repairs are close together, treat the entire facade using **TISSU DE VERRE**.

The 2nd application will be smoothed or notched using a V3 comb depending on the finish (see below).

FINISHING

RÉNOPASS INTER appearance before finishing

Smooth appearance to receive the following coatings:
- TPC - TMC:
  CRÉPILOR, CRÉPILANE, LITHOCOLOR (optional **SOLOFOND** base regulator depending on the finish)
- Paints:
  FLEXODERM, **ESPINT**



Notched appearance to receive the following coatings:
- OC1 and OC2 single-layer semi-lightweight renders:
  MONOPASS GF/GM, MONOCAL GF/GM, MONOCAL BLANC POLAIRE
- Hydraulic lime facing render:
  RHÉAJET / RÉNOPASS CHAUX GF/GM

ALPHABETICAL INDEX

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