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).