MONOCAL GM
COLOURED SINGLE-LAYER RENDER
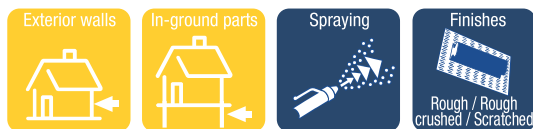
CONCRETE BASES, BLOCKS, BRICKS

◥ **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 │

Exterior walls | In-ground parts | Spraying | Finishes — Rough / Rough crushed / Scratched

*EMISSIONS IN INTERIOR AIR — A+ — QB — CE

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

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.

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).**