

SINGLE LAYER RGF (fiber)



Description

Fibrous monolayer plaster based on polymeric cement, presented in the form of white or colored powder in mass and ready to mix with water, saving the plastering of previous mortar and protecting from the rains, allowing the surface to transpire. Specially formulated to protect and decorate the interior / exterior walls while allowing the supports to breathe. Its special formulation composed of Ecocement, selected fillers, nano additives and VOC-free resins, make it a coating that is as exclusive as it is sustainable.

Uses and fields of application

Fit as coating waterproof, protective and decorative termination. Suitable for manual or machine use on concrete blocks (solid or hollow), ceramic blocks (solid or hollow), mortars traditional cement-sand, cellular cements (autoclave) and expanded clay mortars.

Properties

Realization of white and colored finishes of great beauty.
With fiberglass, preventing cracking and cracking.
Specific pigments to maintain color over time.
Indoor and outdoor application. Waterproof

coating. Permeable to water vapor, allowing the support to breathe.

Excellent adherence and great plasticity. Plastered directly on brick. Thicknesses of up to 1cm without hanging.

Scraped, floated, smooth or burnished finish.

Precautions and recommendations

- It must be applied between 5° C and 30° C.
- Avoid applying it at low temperatures.
- On overheated or highly absorbent walls, wet them previously.
- Do not apply in dry winds.
- Do not apply when there is a risk of heavy rain.
- Do not apply on plaster or paint.
- The addition water must be respected to avoid color changes.
- In intense colors, apply with two coats to obtain a homogeneous color.
- Supports must be clean of dust, grease, old paint and correct any blistered chips.
- In the formwork block, avoid all remnants of release agent by washing them and cleaning the dust.

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Precautions and recommendations

- It should not be applied on horizontal surfaces where the water can remain stagnant, nor on sloped surfaces equal to or less than 45° and exposed to direct rain.
- It should not be applied starting from the ground to avoid humidity rises due to capillary action. It is advisable to apply a boot skirting.
- In the upper ends of the work, it must be protected with covers or eaves and provide drips in the projecting parts of the work (balconies, viewpoints, etc.)
- On smooth concrete surfaces, apply an Agma CH primer (see Technical Data Sheet), prior to the monolayer mortar.

Consumption

Approximately 1.4 kg of powder per m² and mm of thickness.

Presentation

It comes in 25kg bags.
Pallet of 50 units. Total 1250 kg.



RGF monolayer

APPLICATION RULES

Interior and exterior supports

- Concrete blocks (solid or hollow),
- Ceramic blocks (solid or hollow),
- Traditional cement-sand mortars,
- Cellular cements (autoclave),
- Expanded clay mortars,
- Other supports (consult).

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Moisten support



Monolayer mix

APPLICATION RULES

Preparation of the support

- The supports, both ceramic, concrete and mortar plastering, must be flat, stable and resistant.
- Remove all traces of dirt, dust and remnants of release agents, organic products, etc.
- In singular points where there is a risk of cracking, arm the mortar with PAVINET fiberglass mesh.
- In strong heat and dry wind, pre-moisten the substrate and wet the applied mortar after 24 hours.
- On highly absorbent substrates, pre-moisten the substrate (without saturating it), and if necessary apply Agma CH (see Technical Data Sheet), as an adherent bridge and absorption regulator.
- On slightly porous substrates, apply a Displex Bridge primer (see Technical Data Sheet) or improve roughness by mechanical means.
- Do not apply on plaster or paint.

Product preparation

Add ± 5.75 l per 25 kg bag ($\pm 23\%$) of water and mix manually or mechanically until achieving a homogeneous, lump-free and workable consistency.

Application

Spread the kneaded product manually or with a spraying machine and trim it to regularize the thickness on the support with a trowel. The pasta is spread with a thickness between 12 and 15 mm, after marking the pieces on site using PVC linings. It is good practice to apply a first hand of 2 or 3 mm well compacted to seal the support, then spreading the rest of the material.

The decorative finishes are depending on the application method:
Scraped finish: scrape evenly with a metal scraper and brush the surface evenly to remove any traces of dust. Carry out the scraping between 4 and 15 hours after application, depending on the conditions of the substrate and the environmental conditions.
Stone effect scraped finish: when the material begins to harden after scraping, smooth smooth with a trowel.

Rustic finish: spray a second coat with a 4-6 mm drop by spray, adjusting the nozzle according to the desired finish.

Plated rustic finish: make the application as the rustic finish and smooth the ridges with a plastic bottle.

Floated finish: fratasando the mortar partially hardened obtaining a finishing of degraded colors.

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APPLICATION RULES

Application

Work meetings

- The structural joints (expansion joints) of the building must be respected.
- The cutting on site (joints) must be carried out according to the surface that the workforce can master without interruptions, eliminating unnecessary joints (approx. 15 m²), and obtaining good finishes.
- The recommended distances between joints are:
 - Vertical strip (joint) between two horizontal scales, approx. 2.2 m.
 - Horizontal strip between two vertical scales, approx. 7 m.
- Placement of Baretas:
 - 1) Spread the product on a 5 cm band. wide, with a thickness of 10 mm.
 - 2) When the pasta is tender, the baretas are introduced.
 - 3) Once the work is finished, the scales are removed.



Monolayer Extension



Single layer application



Monolayer Exploded



Single layer scraping

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TECHNICAL DATA characteristic values

Product identification data

Apparent density in powder:	1,4± 0,2g/ cm³
Apparent density in paste:	1,7 ± 0,2 g/ cm³
PH:	12,0 ± 0,5
Solid residue:	100%
Appearance:	fine powder
Color:	white
Presentation:	25 kg bags
Tariff heading:	38.16.00.00

Application data

Mixing water:	± 23%
Minimum thickness before scraping:	15 mm
Minimum thickness after scraping:	10 mm
Yield:	1,4 kg of powder per m² and mm of thickness
Application temperature:	+5° C y +30° C
Workability time:	60 min
Scraping time:	4-15h
Working range:	indoors and outdoors

Final benefits

Compressive strength (EN 998-1: 2010), 28 days: CS III
Adherence: ≥ 0.6 MPa
Water vapor permeability: W2
Capillary absorption and water permeability: ≤μ10
Thermal conductivity: 0.67 W / m · K (P = 50%)
Reaction to fire: Class A1
Apparent density: 1.65 ± 0.1 g / cm³ Hardened (test after 28 days)



EN 998-1: Anexo ZA.1.
Mortero industrial para revoco monocapa (OC),
para el revestimiento de fachadas

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SAFETY AND HYGIENE INFORMATION

It is not classified as dangerous according to current regulations on mixtures. For any information regarding safety issues in the use, handling, storage and disposal of chemical residues, users should consult the most recent version of the Product Safety Sheet.

Empty containers must be disposed of in accordance with current legal regulations.

STORAGE CONDITIONS

The life time of the material is 12 months from the date of manufacture provided it is kept in a dry place and protected from the weather.

NOTE: The instructions for use are made according to our tests and knowledge and are not binding. They do not free the consumer from the examination and verification of the products for their correct use. The company's liability will be limited to the value of the merchandise used.

Descriptive memory

Fibrous monolayer plaster based on polymeric cement, presented in the form of white powder or colored in mass and ready to mix with water, saving the pre-plastering of mortar and protecting it from rain, allowing the MONOCAPA RGF Fiber facing from Ecolanic to transpire. Specially formulated to waterproof, protect and decorate the interior / exterior walls, in turn allowing the perspiration of the supports. Spread the product manually with a metal trowel or mechanically with a spraying machine, leaving a minimum thickness of 10 mm once scraped.

The product must meet the following benefits:

Compressive strength (EN 998-1: 2010), 28 days: CS III

Adherence: ≥ 0.6 MPa

Water vapor permeability: W2

Capillary absorption and water permeability: $\leq \mu 10$

Thermal conductivity: $0.67 \text{ W / m} \cdot \text{K}$ (P = 50%)

Reaction to fire: Class A1

Apparent density: $1.65 \pm 0.1 \text{ g / cm}^3$ Hardened (test after 28 days)

