

RP 4300 stuccorep

**polymer-modified
cementitious pore sealer
and smoothing coat
for concrete and rendered
surfaces**

(for layers up to 5mm thick)

class R2

- Class PCC R2 according to EN 1504-3
- Coverage of surface imperfections up to 5mm per layer
- Very low water absorption
- Excellent workability
- Strong adhesion



RP 4300 STUCCOREP

**polymer-modified cementitious pore sealer
and smoothing coat for concrete and rendered surfaces**

DESCRIPTION

One-component cementitious mortar, modified with synthetic resins, polypropylene fibers, and special additives, suitable for the aesthetic repair/finishing of concrete elements and the sealing of pores.

It exhibits high bonding strength to common substrates (concrete, render) and resistance to moisture.

Due to its high thixotropic properties, it can be applied in thicknesses up to 5mm in one layer covering imperfections without sagging or cracking, providing an excellent finish to the final surface.

Classified as class PCC R2 cementitious mortar for non-structural repairs of concrete structures according to European standard EN 1504-3.

APPLICATIONS

RP 4300 STUCCOREP is suitable for filling surface porosity, imperfections, and hairline cracks on concrete and rendered surfaces. It is applied by hand in a thin layer up to 5mm, on both horizontal and vertical surfaces. Indicatively, it is applied in the following cases:

- Repairing and skimming exposed concrete elements.
- Sealing hairline cracks and pores on concrete surfaces.
- Repairing surface construction defects on concrete substrates.
- Finishing concrete surfaces after the application of repair mortars.

Additionally, it is suitable for application on substrates such as gypsum, cement or fiber boards, aerated concrete, etc.

Suitable for indoor and outdoor applications.

PROPERTIES / ADVANTAGES

- Coverage of surface imperfections up to 5mm per layer.
- Excellent workability.
- Very high resistance to moisture.
- Excellent adhesion to structural substrates without the need for priming.

HARMONIZED STANDARDS / REGULATIONS

- EN 1504-3:2004: Concrete repair product for non-structural repair PCC mortar (based on hydraulic cement, polymer modified), class R2.
- Regulation (EC) No. 305/2011: CE marked product with Declaration of Performance (DoP): RP4300/CPR-7-13/073/02-2020.

APPLICATION INSTRUCTIONS

- The substrate must be stable, free from loose material, dust, cement and paint residues, grease, etc.
- Soak the substrate with water. Allow excess water to evaporate or remove it using compressed air.
- Add the content of the bag (25kg) into 7.0-7.5 kg of clean water under continuous stirring for at least 2-3 minutes, until a homogenous mixture is formed having the desired consistency. It is recommended to use a low speed electric mixer (300rpm).
- Apply the mixture using a trowel or a spatula in layers up to 5mm thick.
- If the mix starts to stiffen, stir it again without adding extra water, in order to regain its workability.
- The finished surface must be immediately protected from dehydration for 48 hours.

CLEANING OF EQUIPMENT

Clean all tools and application equipment with water immediately after use. Hardened material can only be mechanically removed.

RECOMMENDATIONS

- Temperature during application should be between +5°C and +35°C.
- Don't use excess water for mixing as it will affect the performance of the product.
- Do not add cement, aggregates or other additives.
- Do not add water when the mixture begins to set.

TECHNICAL CHARACTERISTICS	
PRODUCT CHARACTERISTICS	
Appearance	cementitious powder
Colour	grey
Bulk density	1.30 ±0.05 kg/lt
Chloride ion content (EN 1015-17)	0.00%
APPLICATION CHARACTERISTICS (+23°C / 50% R.H.)	
Mixing ratio	28-30% b.w. (7.0-7.5 kg water / 25kg bag)
pH	> 11
Density	1.70 ±0.05 kg/lt
Pot life	about 60 minutes (22°C)
Application temperature	minimum: +5°C / maximum: +35°C
Max. application thickness per layer	5mm
Consumption	approximately 1.3-1.5 kg/m ² for a 1mm thick layer
PERFORMANCE CHARACTERISTICS	
Adhesion to concrete (EN 1542, MC 0,40)	≥ 1.70 ±0.05 kg/lt
Compressive strength (EN 12190)	≥ 20 N/mm ²
Flexural strength (EN 196-1)	≥ 7 N/mm ²
Capillary water absorption (EN 13057)	≤ 0.40 kg·m ⁻² ·h ^{-0.5}
Reaction to fire	Class A1

Note: Measurements were conducted in a laboratory environment. The varying conditions present on-site (temperature, humidity, ventilation, substrate absorbency) may affect the material's properties.

SAFETY PRECAUTIONS

- The product contains cement which has an alkaline reaction with water and is classified as irritant.
- Always wear appropriate personal protective equipment for eyes and skin (protective clothing, gloves and goggles).
- If skin contact occurs, rinse well with plenty of clean water.
- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Consult product's Safety Data Sheet for further instructions on safety handling.
- **PRODUCT FOR PROFESSIONAL USE.**

PACKAGING - STORAGE

Available in:

- 25kg paper bags.

Storage: 12 months from production date, if stored in original, sealed packaging, protected from direct sunlight and moisture.

LEGAL NOTICE

The technical characteristics and recommendations for the use and application of the **FINOMIX** range of products are based on the knowledge and experience of the company. The above information shall be considered merely indicative and subject to confirmation after long-term practical application. For this reason, anyone who intends to use the product must ensure that it is suitable for the envisaged application. Since the specific site conditions during the applications are beyond the control of our company, the user alone is fully responsible for any consequences deriving from the use of the product. **FINOBETON S.A. (FINOMIX)** has the right to modify the properties of its products without prior notice. This release voids any previous publications issued for this technical specifications sheet.

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