



DANOCRET® PROTECT 100

MORTAR FOR WATERPROOFING AND PROTECTION OF CONCRETE STRUCTURES ONE-COMPONENT

IMPERMEABILIZACIÓN



TOOLS



PERFORMANCE

± 3 kg/m²

DRYING TIME



Made with sulphate-resistant cement



Waterproof



Effective with pressurised water



Resistant to cold/heat



Walkable



High adherence

DANOCRET® Protect 100 is a one-component waterproof PCC cementitious membrane for surface protection and waterproofing of concrete and mortar. It is formulated with hydraulic binders, selected aggregates and polymers that provide an excellent elasticity, adherence and waterproofing capacity.

ADVANTAGES

- Waterproof.
- Trafficable system under slab.
- High flexibility and adherence.
- Elasticity that ensures crack bridging of up to 0,25 mm.
- Good adherence on non-enamelled supports (1,1 N/mm², método EN 1542).
- Resistant to negative and positive pressure.
- Resistant to freeze/thaw cycles.
- Avoids moisture from condensation and the appearance of efflorescence.
- High protection against saltpetre and sea water.
- Suitable with ARGOCOLA® ÉLITE 300 and higher.

APPLICATION

- Waterproofing of terraces and balconies.
- Waterproofing of bathrooms, kitchens and swimming pools before the final coating.
- Suitable for reducing moisture by capillarity in buried structures and lift pits.
- Protection of concrete surfaces, for protection of sea water and salts.

SUPPORTS

- Concrete and mortar rendering.
- Ceramic coatings and natural stone.

**MORTAR FOR WATERPROOFING AND PROTECTION OF CONCRETE STRUCTURES
ONE-COMPONENT****APPLICATION METHOD**

- Before applying the product, check that the application surface is dry, clean and free from solid residues and irregularities.
- Protect yourself properly to handle components with appropriate gloves and mask. Read safety data sheet.
- Mix the 25 kg bag with 5.75 L of clean water and knead until you obtain a uniform mixture suitable for application with a metal trowel. If you need to improve the product's flexibility and adhesion, mix the 25 kg of mortar with 5 L of DANOMIX® Latex and 3 L of water, and knead until you obtain a uniform mixture suitable for application with a metal trowel.
- Apply to fissures and joints first. We recommend using the 2,5 x 2,5 mm glass fibre mesh MALLA FV 60.
- If reinforcing, use a trowel / roll / spraying machine to apply the first layer and apply MALLA FV 60 reinforcement in fresh also in the corners.
- Apply the remaining layers perpendicular (at 90 degrees) to the previous one for a better result (see Drying Time).
- Suitable for surface dusting during the plastic phase of concrete or mortar, crystallizing within the capillary network.

DRYING TIME

- To apply another coat:
Summer: 4h Winter: 6 to 8h
- Overcoating: 48h at 20 °C, 5 days at 10 °C.

APPLICATION TEMPERATURE

- Between 8 °C and 30 °C.

STORAGE AND SHELF LIFE

- Keep the package hermetically sealed and protected from extreme temperatures and sun exposure.
- Store the product between 5 °C and 30 °C for a maximum of 12 months.

PRECAUTIONS

- Once the mix has been made, it must be applied in a maximum of 30 minutes.
- We recommend applying a minimum of two coats of product with each coat at least 1 mm thick.
- Trafficable after 24-48 hours of drying.
- On porous supports, apply a first coat with 8.5 L in roller texture as a primer, or lightly moisten the surface.
- Entry into service must be later than 7 days if in contact with water.
- Clean tools with water as soon as you have finished. If they have any solid remains, scrape these off.
- Do not apply to hot supports or when there is a chance of rain.
- Perform material assessments to ensure correct performance and prevent an accumulation of material by preparing the supports and creating half-pipes with the most suitable product from the ARGOTEC® REPARACIÓN range.

TECHNICAL DATA

Appearance	PCC mortar (cement, aggregates and additives)
Colour	White / Grey
Bulk density	1,80 ± 0,05 kg/dm ³
pH	10,5 ± 0,5
Thickness to apply	2 mm < e < 3 mm
Thickness per coat	Never more than 2 kg/m ²
Waterproof to water in liquid form and capillary absorption (EN 1062-3)	$W < 0,1 \text{ kg}/(\text{m}^2 \cdot \text{h}^{0,5})$
Resistant to cracking (EN 1062-7)	Class A2 (at 0 °C)
Direct traction adherence (EN 1504-1:2005)	1,1 N/mm ² (method EN 1542)
Adherence after thermal compatibility (EN 13687-1 and 2)	1,0 N/mm ² (method EN 1542)
Classification according to EN 14891 table 4	MC
Permeability to CO ₂ in m (EN 1062-6 2003)	Class III
Permeability to water vapour (EN ISO 7783.2018)	Class I