DANOCRET® Protect 1C

MORTAR FOR WATERPROOFING AND PROTECTION OF CONCRETE STRUCTURES
ONE-COMPONENT

TOOLS

PERFORMANCE
2 - 3 kg/m²

DRYING TIME
4-8h

25KG

- **Made of sulfate resistant cement**
- **Watertight**
- **Effective under water pressure**
- **Cold/heat resistance**
- **Walkable**
- **Stop cracks**
- **High adherence**

DANOCRET® Protect 1C 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 500 C2TES1.

USES

- 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.

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METHOD OF APPLICATION

- 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.
- Apply first to cracks and joints. We recommend using DANOTHERM® PX 160 4x4 mm fiberglass reinforcement or PET 50 reinforcement.
- If reinforcing, use a trowel / roll / spraying machine to apply the first layer and apply DANOTHERM® PX 160 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).

APPLICATION TEMPERATURE

- Between 8 °C and 30 °C.

DRYING TIME

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

STORAGE & CONSERVATION

- Keep the container fully-sealed and protected from extreme temperatures and direct sunlight.
- Keep the product between 5 °C and 30 °C for a maximum period of 12 months.

PRECAUTIONS

- Once the mixture is made, you have a maximum of 30 minutes for its application.
- It is recommended to apply a minimum of two layers of product of at least 1mm thick each.
- Trafficable after 24 - 48 hours of drying.
- On porous supports, use DANOPRIMER® W before to ensure a good adherence to the support
- Allow 7 days for the product to fully cure before allowing contact with water.
- Clean tools with water immediately after finishing. If you have solid residues of dirt we recommend scraping.
- Do not apply on hot supports or when there is a possibility of rain.
- Make layouts with the material to ensure the adequate allocation and to avoid the accumulation of material by preparing the supports and making half rounds with the most suitable product from the ARGOTEC® REPARACIÓN range.

TECHNICAL DATA

Appearance	PCC mortar (cement, aggregates and additives)
Colour	White / Grey
Density	$1,80 \pm 0,05$ kg/dm^3
pH	$10,5 \pm 0,5$
Thickness to apply	2 mm < e < 3 mm
Thickness per layer	Never above 2 kg/m^2
Waterproof to liquid water and capillary absorption (EN 1062-3)	$W < 0,1$ kg/(m$^2 \cdot$ h^{0,5})
Crack resistance (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 y 2)	1,0 N/mm^2 (method EN 1542)
Classification according to EN 14891 table 4	MC
CO$_2$ permeability in m (EN 1062-6 2003)	Class III
Water vapor permeability (EN ISO 7783.2018)	Class I
Reaction to fire	B S1 d0

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More information: www.danosa.com

Further to our policy of continuous improvement, DANOSA reserves the right to update without notice, the data contained within this document