



DANOCRET® PROTECT 500 Flex

FLEXIBLE CEMENTITIOUS MEMBRANE FOR WATERPROOFING POTABLE WATER TANKS, LIFT SHAFTS, SWIMMING POOLS, TERRACES, UNIQUE POINTS AND SURFACE PROTECTION FOR CONCRETE. TWO-COMPONENT



TOOLS



PERFORMANCE

± 3 kg/m²

DRYING TIME



Made with sulphate-resistant cement



Waterproof



Effective with pressurised water



Resistant to cold/heat



Suitable for potable water



High flexibility



Stops fissures



High adherence

DANOCRET® Protect 500 Flex is a flexible, waterproof, two-component PCC cementitious membrane to protect the surface and waterproof concrete and mortar. Made with a base of hydraulic binders, selected aggregates and polymers that grant it excellent elasticity, adherence and waterproofing ability.

ADVANTAGES

- Waterproof.
- Trafficable system under tile.
- High flexibility and adherence.
- Elasticity that ensures crack bridging of up to 2.50 mm.
- Good adherence in non-glazed supports (1.1 N/mm², method EN 1542).
- Resistant to negative and positive pressures.
- Resistant to frosting/defrosting cycles.
- Prevents damp caused by condensation and the appearance of efflorescence.
- High protection against saltpetre and sea water according to UNE EN 1504-2.
- Compatible with potable water, Royal Decree 03/2023.
- Suitable for protection against carbonation.
- Compatible with ARGOCOLA® ELITE 500 C2TES1.

APPLICATION

- Waterproofing terraces and balconies.
- Waterproofing bathrooms, kitchens and swimming pools before installing the final cladding.
- Suitable for reducing damp caused by capillarity in buried structures and lift shafts.
- Suitable for contact with potable water.
- Effective as a waterproof, flexible barrier for renders with micro-fissures.
- Protection of concrete surfaces against sea water and salts.
- Waterproofing and surface protection of eaves and areas with only maintenance traffic.

SUPPORTS

- Concrete and mortar renders.
- Ceramic and natural stone cladding.
- Plasterboard.

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APPLICATION METHOD

- Before applying the product, check the application surface is dry, clean and free from solid remains or irregularities.
- Protect yourself when handling components by wearing the right gloves and mask. Consult the safety data sheet.
- Mix the two components in the plastic packaging until smooth.
- Apply to fissures and joints first. We recommend using the 2,5 x 2,5 mm glass fibre mesh 60.
- If reinforcing, use a trowel/roller/spraying machine to apply the first coat and install glass fibre mesh 60 reinforcement, including on the angles, before it dries.
- Apply all other coats intersecting the previous coat for a better result (consult drying time).

APPLICATION TEMPERATURE

- Between 8°C and 30°C.
- In applications with high temperatures, moisten the support.

DRYING TIME

- To apply another coat:
Summer: 4 h Winter: 6 to 8 h
- For coats: 48 h at 20°C, 5 days at 10°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.
- Wet porous supports well before applying the first coat as a primer.
- Entry into service must be later than seven 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® REPAIR range.
- Do not reuse packaging.

TECHNICAL DATA

Appearance component A	PCC mortar (cement, aggregates and additives)
Appearance component B	White viscous liquid
Density (comp. A and comp. B)	1.80 ± 0.05 kg/dm ³ and 1.04 ± 0.01 kg/dm ³
pH (comp. A and B)	10.5 ± 0.5 and 7.5 ± 0.5
Solids content (comp. B)	57 ± 2
Thickness to apply	2 mm < and < 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 = 0.01 kg/(m ² · h ^{0.5})
Negative pressure	Up to 2.5 atm
Resistant to cracking (EN 1062-7)	Class A5 (at 0°C)
Crack elongation capacity (EN 14891 Sec. A.8.2)	2.50 mm (coat of 2 mm at 23°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	MC02P
Permeability to CO ₂ in m (EN 1062-6 2003)	Class III
Permeability to water vapour (EN ISO 7783.2018)	Class II