

DANOCRET PROTECT 300 FLEX

Flexible cementitious membrane for waterproofing drinkable water reservoirs, lift shafts, swimming pools, terraces, detailing and surface concrete protection. Mono-component



EPD[®]



EPD S-P-03332

DANOCRET PROTECT 300 FLEX is a thixotropic, single-component, polymer modified mortar (PCC) for the surface protection and waterproofing of concrete, formulated on the basis of a mixture of hydraulic binders, selected aggregates and polymers that provide excellent adherence and waterproofing capacity.

Presentation

- Appearance: Powder
- Colour: White
- Weight (kg): 20
- Yield (kg/m²): 3
- Performance in mm thickness (kg/m²): 1,5
- Product code: 350137

Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m ²)	20	-
Capillary Absorption (kg/m ² h ^{0.5})	≤ 0,05	EN 1062-3:2008
Adhesion after heat (N/mm ²)	≥ 1,50	-
Adhesion after freeze-thaw cycles (N/mm ²)	≥ 1,50	-
Adhesion after thermal compatibility (N/mm ²)	≥ 1,00	EN 13687-1 y 2
Adhesion after immersion in water (N/mm ²)	≥ 0,8	-
Adhesion after immersion in water with lime (N/mm ²)	≥ 0,5	-

Concept	Value	Standard
Direct Tensile Adhesion (N/mm ²)	≥ 1,50	EN 1542:1999
Mixing water (%)	20/22	-
Crack elongation capacity	1.26 mm (capa de 2 mm a 23 °C)	-
Classification according to EN 14891 Table 4	MC01P	-
Bulk density (kg/L) _v ~ Value	1,30 ± 0,05	-
Fresh mass density (kg/L) ~ Value	1,50 ± 0,05	-
Maximum thickness (mm)	3	-
Minimum thickness (mm)	2	-
Thickness per layer	Nunca superior a 2 kg/m ²	-
Water impermeability	cumple	-
Grain size range (mm) ~ value	0/0,3	-
Water vapour permeability (m)	Clase I	-
PH	10.5 ± 0.5	-
Reaction to fire	A1	-
Resistance to fissure cracking at 0 °C	A4	EN 1062-7:2008
Hazardous substances	Ver HS	-

Additional Technical Data

Concept	Value	Standard
Potable water compatibility	sí	RD 140/2003
Solids content (%)	57 ± 2	-
CO2 permeability	Clase III	EN 1062-6:2003

Scope

- Suitable for reducing rising damp in buried structures and lift shafts.
- Effective as a waterproof and flexible barrier for micro-cracked plasters.
- Waterproofing of bathrooms, kitchens and swimming pools before final coating.
- Waterproofing of terraces, balconies and windowsills.

- Protection of concrete surfaces, for protection from seawater and salts.

Advantages & Benefits

- Anti-carbonation action.
- High protection against saltpetre and seawater according to UNE EN 1504-2.
- Suitable with ARGOCOLA® ELITE 500 C2TES1.
- Compatible drinking water RD 3/2023.
- Elasticity ensures bridging of cracks up to 1.26 mm.
- Prevents damp due to condensation.
- Prevents the appearance of efflorescence.
- Great bonding.
- Great elasticity.
- Impervious to water.
- Very high adhesion on non-enamelled substrates (2.5 N/mm², method EN 1542).
- Resistant to freeze/thaw cycles.
- Accessible system under tile.
- Resistant to negative pressures (up to 5.5 atm) and positive pressures.

Support

- Mortar renderings.
- Concrete/Screed.
- Laminated plasterboard.
- Ceramic wall tiles and natural stone.

Instruction for Use

- Before applying the product, check that the application surface is dry, clean and free of solid debris and irregularities.
- Protect yourself adequately for handling the components with appropriate gloves and mask. See safety data sheet.
 - Mix DANOCRET® Protect 300 Flex with 29%
 - 30% of clean water (5.8
 - 6 L per 20 kg bag) preferably by mechanical means until a homogeneous, creamy, lump-free mixture with a thick paint consistency is achieved.
- Apply to cracks and joints first. We recommend using 4×4 mm glass fibre reinforcement MALLA FV 60.
- If reinforcing use a trowel/roller/projecting machine to apply the first coat and place in fresh MALLA FV 60 reinforcement also in the corners.
- Apply the remaining coats crosswise to the previous one for best result (see Drying Time).

Warning

- Wet porous supports well before applying the first coat as a primer.
- Commissioning must be more than 7 days in contact with water.
- Clean tools with water right after finishing. If there is solid dirt, we recommend scraping it off.
- For application on wood fibres, ensure adhesion on 100% of the substrate.
- Do not reuse the containers.

- Protect the edges from rainwater penetration by preparing the substrates and using the most suitable product from the ARGOTEC® REPARATION range to prepare them and prevent the accumulation of material.
- It is recommended to apply a minimum of two coats of product of at least 1 mm thickness each.
- Accessible after 24 - 48 hours of drying.
- Once the mixture is ready, you have a maximum of 30 minutes to apply it.

Handling, storage and preservation

- Keep the containers tightly sealed and protected from extreme temperatures (keep between 5°C and 30°C), protected from direct sunlight and heat sources. For a period not exceeding 12 months.
- It is packaged in 20 kg multi-leaf paper bags with damp-proof sheets and in 5 kg plastic bags that allow it to be properly preserved for 12 months in its original closed container, safe from dampness.

Cleaning of Work Tools

- If the product is fresh, with water
- If the product is dry, scraping

Notice

- The information contained in this document and any other advice provided, are given in good faith, based on DANOSA's current knowledge and experience when products are properly stored, handled and applied, in normal situations and in accordance with the recommendations of DANOSA. The information applies only to the application (s) and the product (s) to which reference is expressly made. In case of changes in the parameters of the application, or in case of a different application, consult the DANOSA Technical Service before using the DANOSA products. The information contained herein does not exonerate the responsibility of the building agents to test the products for the application and intended use, as well as their correct application in accordance with current legal regulations. The product images used in our communications are indicative and may differ slightly in color and aesthetic appearance in relation to the final product. Orders are accepted in accordance with the terms of our current General Sales Conditions. DANOSA reserves the right to modify, without prior notice, the data reflected in this documentation. Website: **www.danosa.com** E-mail: **info@danosa.com** Telephone: **+34 949 88 82 10**