

DANOCRET PROTECT 100

Mortar for waterproofing and protection of concrete structures.
Monocomponent



EPD[®]



EPD S-P-03332

DANOCRET PROTECT 100 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: Grey
- Weight (kg): 25
- Yield (kg/m²): 3
- Performance in mm thickness (kg/m²): 1,8
- Product code: 350136

Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m ²)	25	-
Capillary Absorption (kg/m ² h ^{0.5})	≤ 1,00	EN 1062-3:2008
Adhesion after heat (N/mm ²)	≥ 0,5	-
Adhesion after freeze-thaw cycles (N/mm ²)	≥ 0,5	-
Adhesion after thermal compatibility (N/mm ²)	≥ 1,00	EN 13687-1 y 2
Adhesion after immersion in water (N/mm ²)	≥ 0,5	-
Adhesion after immersion in water with lime (N/mm ²)	≥ 0,5	-

Concept	Value	Standard
Direct Tensile Adhesion (N/mm ²)	≥ 1,00	EN 1542:1999
Mixing water (%)	18/20	-
Classification according to EN 14891 Table 4	MC	-
Bulk density (kg/L) ~ Value	1,50 ± 0,05	-
Fresh mass density (kg/L) ~ Value	1,80 ± 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	0/0,8	-
Water vapour permeability (m)	Clase I	-
PH	10.5 ± 0.5	-
Reaction to fire	A1	-
Compacting resistance 28 days (N/mm ²)	20	-
Resistance to fissure cracking at 0 °C	A2	EN 1062-7:2008
Hazardous substances	Ver HS	-

Additional Technical Data

Concept	Value	Standard
Potable water compatibility	no	-
CO2 permeability	Clase III	EN 1062-6:2003

Scope

- Suitable for reducing rising damp in buried structures and lift shafts.
- Waterproofing of balconies and terraces.
- Waterproofing of bathrooms, kitchens and swimming pools before final coating.
- Protection of concrete surfaces, for protection from seawater and salts.

Advantages & Benefits

- High protection against saltpetre and seawater according to UNE EN 1504-2.
- Good adhesion on non-enamelled substrates (1.1 N/mm², method EN 1542).
- Elasticity ensures bridging of cracks up to 0.25 mm.
- Prevents damp due to condensation.
- Prevents the appearance of efflorescence.
- Impervious to water.
- Resistant to freeze/thaw cycles.
- Accessible system under tile.
- Good flexibility and adherence.

Descriptive Memory

The surface protection and waterproofing of the concrete without movement will be carried out with the single-component, thixotropic, polymer modified mortar DANOCRET PROTECT 100 of the company DANOSA, according to the UNE EN 1504-2 standard, in accordance with principle 1 (method 1.3) and principle 2 (method 2.2.) of the UNE EN 1504-9 standard.

Support

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

Instruction for Use

Preparation of the support: Once the waterproofing is done, the roof should be smooth, uniform and clean.

Danolosa application: It is applied without any gripping material, deposited with care, preferably over a geotextile antipunching layer covering the waterproofing or directly on it, lying on the insulation face.

Slabs will be placed without any expansion joint. On hipper ends and valleys the slab should be accordingly cut using a water-cooled low r.p.m. radial machine. A small space (3-5 mm) must exist, to allow dilatations coming from, for example, skylights, etc... It should be carried on pallets. Not considered as dangerous goods for transport.

Warning

- 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 25 kg multi-leaf paper bags with damp-proof sheets that allow it to be stored for 12 months in its original sealed packaging, 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**