

GRADA PE-FLEX

Waterproofing Textile Membrane

Technical Product Document

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DEFINITION

3-layer super-elastic waterproofing membrane consisting of modified polyethylene film laminated in between polypropylene felt of high alkali resistance to be applied prior to the coating of materials, such as tile and natural stone, both in internal and external environments. Applicable to all wet surfaces. Under screed, under marble, under ceramic, under parquet, under floor tiles.

PRODUCT FEATURES

Offers high resistance to chemicals and alkali.

Fibred sides attach to every surface and provide strong bonding to any coating applied.

Density options are between 180 gr/m² and 400 gr/m², according to interior and exterior use.

AREAS USAGE

- Bathroom, WC, kitchen, sauna and bathhouse
- Balcony, terrace and terrace garden,
- Roof, green roof, terrace roof, concealed gutter,
- Swimming and ornamental pool, reservoir,
- Sub-base course, foundation wall,
- OSB, sheetrock, precast concrete panel, wood panel, metal surfaces,
- Canal, canalette, pond,
- Food production facility, places requiring hygiene,
- Any place requiring water sealing.

METHOD OF PRACTICE

The surface to be applied should be cleaned from dirt, dust oil and residue that prevents adhesion. Defective surfaces should be repaired with suitable materials and a flat and solid surface should be obtained.

In places where there is dense or stationary water before application, all water escape points, drains pipe bottoms, inner-outer corners, expansion gaps, structural cracks, cold joints, horizontal and vertical frame joints should be isolated. PE-FLEX textile membrane waterproofing set (chamfer tape, inner and outer corner insulation products, drainage pipe products) should be used in these places.

In the use of PE-FLEX it provides at strong adherence with cement based flexible adhesive mortar with all C2T and C2TES1-S2 norms. Epoxy or polyurethane based adhesives can also be used depending on the surface and space properties.

Adhesives without solvent should be preferred.

PE-FLEX can be fixed at every point. Flexible adhesive mortar is spread on the surface using a triangular toothed trowel measuring 3x3/4x4. PE-FLEX product can be applied on the surface where the adhesive is applied, such as wallpapering or carpeting. It is fixed to the surface with a leveling roller or elastic knurled trowel. In this way, air bubbles are removed.

Apply a minimum of 5 cm in horizontal and vertical applications, and 7,5 cm- 10 cm overlap on surfaces with dense and pressurized water.

Overlap shares in areas with pressurized and stationary water; preferably it should be bonded with polyurethane, epoxy based or equivalent adhesives. It can also be fixed with cement-based adhesive mortars.

Protection should be made on the PE-FLEX product as a last layer with known surface coating methods according to the usage purpose of the space. Plaster, screed, paint, ceramic or granite can be used as the top coat.

GENERAL INFORMA

APPEARENCE / COLOR	BLUE
WIDTH	1,5 mt
LENGTH	50 mt
THICKNESS	0,8 mm
WEIGHT	235 gr/m ²
USAGE TEMPERETURE	+5°C - +35°C
CONSUMPTION	1,1 m ² /1 m ²

TECHNICAL SPECIFICATIONS

TECHNICAL SPECIFICATIONS	RESULT
WATER PROOFING	6 Bar \pm 0,50
AIR PERMEABILITY	0,94 l/m ² x sn \pm 0,50
EXPLOSION STRENGTH	>1.189.4 kPa \pm %1,85
TEAR STRENGTH (WIDTH/LENGTH)	175.3 N /168.4 N \pm 0,10 N
BREAKING STRENGTH (WIDTH/LENGTH)	409.3 N / 340.2 N \pm 0,10 N
STRETCH (WIDTH/LENGTH)	%54.8 / %61.9
HEAT CONDUCTIVITY COEFFICIENT- λ	0.039 - λ
TEMPERATURE RESISTANCE	54,50 (W/m ² K) (λ)

GRADA YAPI KİMYASALLARI VE İNŞAAT MALZEMELERİ ÜRETİM SAN. TİC. A.Ş.

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