



WPM 1000 X

Waterproofing and Decoupling Membrane

DESCRIPTION

Polyethylene based 3-ply membrane sandwiched with two outer layers of non-woven polypropylene, suitable for protecting floors and walls under thin-set tile installations from substrate cracks and moisture migration.

USES

- Wet areas in hotels, sports facilities and shopping malls.
- Commercial kitchens.
- Balconies, terraces and swimming pools.
- For renovation works.

FEATURES

- Waterproof
- Crack bridging
- Constant thickness
- Ease and speed of installation
- Fast track continuation of subsequent work / waterproofing in just 2 days
- Quick and hassle-free installation
- Decoupling function minimizes tension between the substrates and the floor.

PHYSICAL PROPERTIES

Resistance to temperature -30°C to +90° C

Burst pressure max ≥ 3.0 bar
Internal

Breaking load (DIN EN ISO 527-3)
longitudinal 370 N/50 mm
lateral 250 N/50 mm

Extension break(DIN EN ISO 527-3)
longitudinal 90 %
lateral 120 %

Resistance to tear(DIN EN 12310-2)
longitudinal 100 N
lateral 140 N

Resistance to water pressure
DIN EN 1928 (Version B) > 1.5 bar

UV-Resistance ≥ 450 h
DIN EN ISO 4892-3

Bonding strength > 0.5 N/mm²
DIN EN 1348

Fire classification B 2
DIN EN 4102

CHEMICAL PROPERTIES

Resistant to:

Hydrochloric acid 3%

Sulphuric acid 35%

Citric acid 100g/l

Lactic acid 5%

Potassium hydroxide 3%/ 20%

Sodium hypochlorite 0.3g/l

Salt water (20g/l Sea water salt)

PACKING

Total thickness approx. 0.62 mm ± 0.1mm
Total Width 1000 mm (Additional widths upon request)
Length per roll 30m
Material weight approx. 275 g/m²

APPLICATION INSTRUCTIONS

Surface Consideration

For NEW CONCRETE / BRICK / BLOCK WALL

New cement / sand rendering / existing concrete bases and other surface please refer to the ARDEX ENDURA Technical Data sheet of Adhesives.

Surface Preparation

The surface to be treated must be structurally sound, clean, dry, and free of laitance, oil, grease or any substance that may impair adhesion.

Mixing

Add ARDEX ENDURA GOLD STAR to clean water and mix thoroughly until a slump free mortar is obtained. A 20 kg bag will require approximately 6 litres of water. The adhesive is immediately ready for use and has a pot life of 3 hours.

Application

Application of WPM 1000 X with Gold Star/Diamond Star/Platinum Star/ArdiFlex S1/ArdiFlex S2.

1. Spread to the required areas in which the WPM 1000 X can be applied over it at a time before the adhesive start its initial set; apply the adhesive to the wall or floor surface.
2. Comb the adhesive to the required depth (between 3 - 6mm) using suitable trowel.
3. Fix WPM 1000 X onto the adhesives neatly without any wrinkles and air pockets in it. The adjacent sheet shall be fixed providing a butt lap joint (By use of a straight edge trowel).
4. All butt joints, sheet terminations and corners should be sealed with Deckweb sandwiched between two layers of WPM 002 or WPM 125.
5. All the pipe penetrations where vibration and movement is expected shall be sealed using SU 10.
6. Using necessary ARDEX ENDURA adhesives as per the architect's specifications and always follow the technical data sheet of the manufacturer.

Note

- Do not use for waterproofing on negative side.
- Do not use for waterproofing in steam baths/sauna etc.

STORAGE

The product should be protected from frost away from direct sunlight and sources of heat.

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DISPOSAL

Disposal of empty packaging should be in accordance with local waste disposal authority regulations.

For further information please refer to the Material Safety Data Sheet.

CONDITIONS OF SALE

Sold subject to the Company's conditions of sale which are available on request.

NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our Company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products. However, as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.



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