

MASTERPREN[®] TDE

Synthetic membrane of TPO

Description

MASTERPREN TDE synthetic liner of TPO modified polyolefin produced as a softer membrane to aid detailing work.

Typical applications

MASTERPREN TDE can be applied to assist detailing in the following circumstances:

- Exposed roofing laid loose
- Exposed roofing mechanically fixed
- Exposed roofing fully bonded
- Landscaped areas and roof gardens

Advantages

- It has superior mechanical characteristics and has an extremely high resistance to weathering and ultra violet rays
- High mechanical properties and resistance to puncturing
- Rot-proof
- Resistance to root penetration
- Can be bonded with the Masterpren TPO Adhesive
- Good resistance to microbial attack
- Long life expectancy

Packaging and roll sizes

MASTERPREN TDE is supplied 1.5 mm thick, width of 2.1 meters and length of 20 meters.

Application procedure

Usually applied by a Specialist Applicator. Please contact BASF Construction Chemicals for specific application assistance.

Watertight Systems & Engineered Solutions

BASF Construction Chemicals provides systems and engineered solutions, to suit the structure, at the design and construction stages, to ensure water tightness. Various products and elements which form an integral part of a system are manufactured and approved by BASF. The following ranges of products are available;

- Masterpren range - Preformed membranes
- Masterflex range - Active and passive joint treatment
- Masterseal range - Liquid applied membranes and protective coatings
- Masterflow range - High performance grouts
- Emaco and Concessive ranges - Repair materials

Storage

Store out of direct sunlight, clear of the ground and on pallets.

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***Physical / Chemical Properties**

Thickness	1.5 mm	UNI EN 1849 - 2
Weight	1.50 kg/m ²	UNI EN 1849 - 2
Tensile strength	≥ 15 N/mm ²	UNI EN 12311 - 2
Elongation at break	≥ 500 %	UNI EN 12311 - 2
Tear Resistance	≥ 80 N/mm	UNI EN 12310 - 2
Resistance to impact	≥ 600 mm	DIN 16726 - 5.12
Low temperature flexibility	≤ - 35°C	UNI EN 495 - 5
Hydrostatic pressure resistance (6 hours at 5 bar)	waterproof	UNI EN 1928 method. B
Resistance to artificial weathering (UV)	no cracking	UNI EN 1297
Hail resistance at rigid support	≥ 25 m/s	UNI EN 13583
Resistance to static punching	≥ 20 kg	UNI EN 12730

Note

Field service, where provided, does not constitute supervisory responsibility. For additional information contact your local BASF Construction Chemicals representative.

BASF reserves the right to have the true cause of any liability determined by accepted test methods.

Quality and care

All products originating from BASF's Dubai, UAE facility are manufactured under a management system independently certified to conform to the requirements of the quality, environmental and occupational Health & Safety standards ISO 9001, ISO 14001 and OHSAS 18001.

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* Properties listed are based on laboratory controlled tests which are carried out immediately after production.

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As all BASF technical datasheets are updated on a regular basis it is the user's responsibility to obtain the most recent issue.

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