

MasterSeal[®] 751TPEF

Synthetic membrane of TPO with non-woven felt backing

DESCRIPTION

MasterSeal 751TPEF synthetic liner of TPO modified polyolefin, by inserting polyester mesh reinforcement and 200 g/m² non-woven felt backing. The upper sand grey layer, which is exposed, is characterised by an extremely high resistance to weathering and ultraviolet rays, whereas the lower felt backing layer provides resistance to puncturing and adheres to the substrate.

TYPICAL APPLICATIONS

MasterSeal 751TPEF can be used on roofs in the following circumstances:

- Exposed roofing, with mechanically fastening system
- Mixed solutions: mechanical fastening system + gluing

ADVANTAGES

- Extremely high resistance to weathering and UV (ultra violet) rays
- High mechanical properties and resistance to puncturing
- Resistant to wind stress

- Adaptability to structural movements
- Flexibility at low temperatures
- Long life expectancy

PACKAGING AND ROLL SIZES

MasterSeal 751TPEF is supplied in various thicknesses.

Thickness (mm)	1.2	1.5	1.8	2.0
Width (m)	2.10	2.10	2.10	2.10
Length (m)	25	20	20	20
Colour	Sand grey / Black			

Fire-resistant version is available on request (class B2 according to DIN 4102/1)

APPLICATION GUIDELINES

Usually applied by a Specialist Applicator. Please contact Master Builders Solutions Construction Chemicals for specific application assistance.

PHYSICAL/TYPICAL PROPERTIES*

Thickness UNI EN 1849 - 2	1.2mm	1.5mm	1.8mm	2.0mm
Specific weight UNI EN 1849 - 2	1.35 kg/m ²	1.60 kg/m ²	1.88 kg/m ²	2.05 kg/m ²
Tensile strength UNI EN 12311 - 2	≥ 1100 N/5 cm	≥ 1100 N/5 cm	≥ 1100 N/5 cm	≥ 1100 N/5 cm
Elongation to break UNI EN 12311 - 2	≥ 15 %	≥ 15 %	≥ 15 %	≥ 15 %
Resistance to impact UNI EN 12691	≥ 450 mm	≥ 800 mm	≥ 900 mm	≥ 1250 mm
Cold bending UNI EN 495 - 5	≤ - 40°C	≤ - 40°C	≤ - 40°C	≤ - 40°C
Hydrostatic pressure resistance (6 hours at 0.5 Mpa) UNI EN 1928 met B	waterproof	waterproof	waterproof	waterproof
Resistance to artificial weathering UNI EN 1297	no surface cracking	no surface cracking	no surface cracking	no surface cracking
Dimensional stability UNI EN 1107 - 2	≤ ± 0.5 %	≤ ± 0.5 %	≤ ± 0.5 %	≤ ± 0.5 %
Tear Resistance UNI EN 12310 - 2	≥ 300 N	≥ 300 N	≥ 300 N	≥ 300 N
Resistance to static punching UNI EN 12730	≥ 20 kg	≥ 20 kg	≥ 20 kg	≥ 20 kg

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STORAGE

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

QUALITY AND CARE

All products originating from Master Builders Solutions 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 and ISO 14001.

* Properties listed are based on laboratory controlled tests.

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STATEMENT OF RESPONSIBILITY

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NOTE

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