

MORTERPLAS SBS FP-T 6 KG MIN

MORTERPLAS SBS FP-T 6 Kg MINERAL is a self-protected membrane, made of SBS elastomeric bitumen, reinforced with high density polyester felt (FP), and finished with a mineral protection on the upper side and a thermally bonded film on the lower side.

ADVANTAGES

- The SBS elastomeric mastic with polymer additives provides the membrane with excellent flexibility at low temperatures, which allows it to be applied in cold climates.

The stabilised, non-woven polyester felt, non-woven polyester felt (FP) reinforcement confers the best mechanical properties to the membrane:

- High tensile strength
- Maximum puncturing resistance (static and dynamic)
- High tear resistance
- Good dimensional stability.



APPLICATION

- It is especially recommended in applications where a robust membrane with high temperature resistance and maximum mechanical performance is needed.
- Waterproofing of bridge decks on railway structures.
- Waterproofing of bridge decks for vehicle traffic.
- Waterproofing of double-layer car park roofs as the top layer.
- Waterproofing of roofs without reinforced protection, with a slope greater than 1%.
- Waterproofing of underground structures like foundation slabs and flooring, in adhered or floating systems.

REGULATIONS

- In accordance with the EN 13707 and EN 14695 standards. Certified with CE marking No. 0099/CPD/A85/0087
- Voluntary certification of the product with AENOR seal according to the same European standard.
- With DIT No. 579/11 MORTERPLAS VEHICULAR TRAFFIC
- With DIT No. 580/11 UNDERGROUND STRUCTURES MORTERPLAS
- Quality System in accordance with ISO:9001

Bituminous Waterproofing SBS

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INSTALLATION

- **SUPPORT:** The surface must be dry, firm, even, clean and free of loose materials.
- It can be applied completely adhered, partially adhered or floating.
- To adhere the membrane to the support, the support is primed with EMUFAL I. Once dry, use flame to adhere the membrane.
- The flame is applied as uniformly as possible (the greater the heat, the greater the retraction) along the width of the membrane without reaching the overlap, which will be done later, since it is important that the temperature be the same in every area. The flame should be applied until the anti-adherent film pore opens.
- The membranes are installed in such a way that no more than three membranes overlap at the same point.
- Overlaps are flame-bonded, with a longitudinal overlap of at least 8 cm and a transversal overlap of at least 10 cm, first removing the minerals from the surface to ensure adherence.
- In the two-layer solution, the top membrane must be completely adhered to the bottom membrane, and it must be placed in the same direction so that the overlap lays approximately in the middle of the bottom membrane.
- Installation and measurements will be conducted in accordance with regulations of the UNE 104401 standard.

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PACKAGING AND STORAGE

	MORTERPLAS SBS FP-T 6 Kg MIN
Kg/m ²	6 -5/+10%
Length (m)	7
Width (m)	1
m ² /roll	7
m ² /pallet	175
Finishing *	Natural slates
Storage	Upright on pallet. Store in the original packaging in a dry and cool place, protected against weathering.

*NOTE: Self protected membranes are finished with natural minerals (slates or granule), they could appear with different coloured tones in sheets from different batch. It must be aware for the orders on a same roof, specially for refurbishment. This feect will be soon minimized once exposed on roof.

TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Unit	MORTERPLAS SBS FP-T 6 kg MIN
External fire behaviour	ENV 1187	-	Broof(t1)
Fire reaction	EN 13501-1:2002 (EN ISO 11925-2)	-	E
Watertightness	EN 1928:2000 (B)	-	Pass (10 kPa)
Maximum tensile strength (L x T)	EN 12311-1	N/50 mm	1200 ± 250 1000 ± 200
Elongation (L x T)	EN 12311-1	%	55 ± 15 55 ± 15
Root penetration resistance	EN 13948	-	NE
Static load resistance	EN 12730 (A)	kg	≥ 25
Impact resistance	EN 12691:2006	mm	≥ 1500
Tear strength (nail) (L x T)	EN 12310-1	N	250 x 300 ± 50
Joint peel resistance	EN 12316-1	N/50 mm	NE
Joint shear resistance (L x T)	EN 12317-1	N/50 mm	900 x 900 ± 250
Artificial ageing by long-term exposure to high temperature	EN 1296 12 sem/weeks	EN 1109 / 1110	-5 ± 5 °C / ≤ 2 mm (100 ± 10 °C)
Artificial ageing by long term exposure to the combination of UV radiation, high temperature and water	EN 1297	EN 1850-1	NE
Flexibility at low temperature	EN 1109	°C	≤ -15
Hazardous substances	--	--	PND

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OTHER FEATURES

OTHER CHARACTERISTICS	Test Method	Unit	Value
Visible defects	EN 1850-1	-	Pass
Straightness	EN 1848-1	-	Pass (<20 mm/10 m)
Compound per area unit	EN 1849-1	kg/m ²	6,00 -5/+10%
Thickness	EN 1849-1	mm	--
Watertightness after stretching at low temperature	EN 13897	%	--
Dimensional stability	EN 1107-1	%	≤ 0,3
Form stability under cyclic temperature change	EN 1108	mm	NE
High temperature flow resistance	EN 1110	°C	≥ 100
Granule adhesion	EN 12039	%	20 (-20/+10) %
Water vapour transmission properties	EN 1931	μ	20000

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