

## MORTERPLAS SBS FPV-S 5 KG MIN

MORTERPLAS SBS FPV-S MIN is a self-protected, elastomeric SBS bitumen-based waterproofing membrane reinforced with high grammage polyester felt (FP), mineral finish on the upper side and thermofusible film on the underside.

### ADVANTAGES

- MORTERPLAS SBS FPV-S MIN is manufactured with an SBS elastomeric compound, which confers excellent low temperature pliability to the membrane.
- The high weight punched and stable, non-woven polyester felt (FP) reinforcement confers the best mechanical properties to the membrane:
- High tensile strength.
- Maximum puncturing strength (static and dynamic).
- Great tear strength.
- Good dimensional stability.



### APPLICATION

- MORTERPLAS SBS FPV-S 5 kg MIN is mainly applied in a single-ply system, on roofs with a pitch exceeding 1%.

### REGULATIONS

- The product is CE marked according EN 13707. Holds the certificate N° 0099/CPD/A85/0087
- Quality Management System according to the requirements of ISO 9001:2008 standard

## Bituminous Waterproofing SBS

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## INSTALLATION

- **SUBSTRATE:** The surface receiving the membrane must be dry, firm, even, clean and free from loose materials.
- The membrane can be applied either fully bonded or loose-laid.
- Prior to adhering the membrane to the substrate, the latter must be primed with either EMUFAL I, EMUFAL L or PIBIAL.
- Once dry, the membrane is torched on.
- Overlaps are flame-bonded, with minimum 8-cm width.
- Installation method and details must follow the recommendations of the UNE 104401 standard.

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## PACKAGING AND STORAGE

	MORTERPLAS SBS FPV-S 5 Kg MIN
Kg/m <sup>2</sup>	5 -5/+10%
Length (m)	8
Width (m)	1
m <sup>2</sup> /roll	8
m <sup>2</sup> /pallet	200

Storage: Upright on pallet. Store in original packaging in a dry and cool place, protected against weathering.

## TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Unit	MORTERPLAS SBS FPV-S 5 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	900 ± 250 650 ± 250
Elongation (L x T)	EN 12311-1	%	45 ± 15 45 ± 15
Root penetration resistance	EN 13948	-	NE
Static load resistance	EN 12730 (A)	kg	≥ 15
Impact resistance	EN 12691:2006	mm	≥ 1200
Tear strength (nail) (L x T)	EN 12310-1	N	NE
Joint peel resistance	EN 12316-1	N/50 mm	NE
Joint shear resistance (L x T)	EN 12317-1	N/50 mm	650 x 650 ± 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 <sup>2</sup>	5,00 -5/+10%
Thickness	EN 1849-1	mm	-
Thickness in overlap	EN 1849-1	mm	-
Watertightness after stretching at low temperature	EN 13897	%	--
Dimensional stability	EN 1107-1	%	≤ 0,4
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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