

## MORTERPLAS PARKING

MORTERPLAS PARKING Membrane with polyester felt (FP) reinforcement finished with non-woven polyester felt on the upper side and thermally bonded film on the bottom side.

### ADVANTAGES

The polyester felt confer the best mechanical properties to the membrane:

- High tear resistance
- High puncturing resistance (static and dynamic)
- High resistance to heavy traffic and asphalt-spreading machinery
- Resistance to the high temperature of asphaltic agglomerate, as the melting point of the non-woven polyester is over 200° C
- The polyester on the upper side of the membrane allows for concrete to be poured directly on top of it
- Great adherence to the support and to the asphaltic agglomerate
- Great dimensional stability.



### APPLICATION

- It is especially recommended in applications where a robust membrane with high temperature resistance is needed and maximum machine performance is available.
- Waterproofing of bridge decks on railway structures, with concrete protection, with asphaltic agglomerate, with prior asphalt irrigation on the membrane or ballast.
- Waterproofing of bridge decks for vehicle traffic, with concrete protection, with asphaltic agglomerate, with prior asphalt irrigation on the membrane.
- Waterproofing of double-layer car park roofs as the top layer.
- Waterproofing of underground structures like foundation slabs and flooring, in adhered or floating systems.
- It can be applied in single or double-layer systems according to application and use.

Parking roofs in single and double-layer systems. Flooring and underground structures.

### REGULATIONS

- In accordance with the EN 13707, EN 14695 and EN 13969-T standards. Certified with CE marking No. 0099/CPR/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.
- For supports with a coarseness greater than or equal to 1.5, the adhesive system in the double-layer membrane involving the Adhesive P extension is cold application, as is the MORTERPLAS SBS FV 2.4kg GR2 bottom membrane, in systems that comply with DIT No. 579/11 MORTERPLAS VEHICULAR TRAFFIC.
- 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 minimum longitudinal overlap of 8 cm and a minimum transversal overlap of 10 cm, first eliminating the polyester felt from the surface with flame and with the help of a trowel to ensure mastic 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 PARKING
Kg/m <sup>2</sup>	4,8 -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 the original packaging in a dry and cool place, protected against weathering.

## TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Unit	MORTERPLAS PARKING
External fire behaviour	ENV 1187	-	NE
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	1000 ± 250 800 ± 250
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	≥ 1750
Tear strength (nail) (L x T)	EN 12310-1	N	500 x 500 ± 100
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>	4,80 -5/+10%
Thickness	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	%	NE
Water vapour transmission properties	EN 1931	μ	20000

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