MORTERPLAS SBS ALU 3 KG

MORTERPLAS SBS ALU 3KG is a self-protected waterproofing membrane, made of SBS elastomeric bitumen, without reinforcement and finished with 0.08 mm embossed aluminium on the upper side and a thermally bonded film on the lower side.

ADVANTAGES

· The SBS elastomeric mastic provides the membrane with excellent flexibility at low temperatures, which allows it to be applied in cold climates.
The 0.08 mm embossed aluminium upper coating provides:
• Great dimensional stability
• Excellent resistance to high temperatures.

APPLICATION

· MORTERPLAS SBS ALU 3KG is applied fully adhered as a cap sheet on non-trafficable roofs with aluminum self-protection.
· Suitable solution for upstand treatment. (For upstands taller than 1 m, and gables with pitches > 15%, the membrane will be mechanically fixed to the support; the MA-3 membrane cannot be used over thermal insulation).
· It is a non-reinforced membrane, suitable for protecting the primary membrane from the elements (ultraviolet radiation, ozone, etc.).

REGULATIONS

· In accordance with the EN 13707 standard. Certified with CE marking No. 0099/CPD/A85/0087
· Voluntary certification of the product with AENOR seal according to the same European standard.
· Quality System in accordance with ISO:9001

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INSTALLATION

· SUPPORT: The surface must be dry, firm, even, clean and free of loose materials.
· It is applied with flame to be totally adhered to the bottom membrane, and it will be placed in the same direction and so that the overlap falls approximately in the middle of the bottom 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 will be bonded with a flame, with a longitudinal overlap and a transversal overlap of at least 8 cm, first removing the minerals from the surface to ensure adherence.
· Installation and measurements will be conducted in accordance with regulations of the UNE 104401 standard.

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PACKAGING AND STORAGE

	MORTERPLAS SBS ALU 3 Kg
Kg/m²	3 –5/+10%
Length (m)	13
Width (m)	1
m2/roll	13
m2/pallet	351
Finishing *	Aluminium Natural

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 SBS ALU 3 kg
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	400 ± 200 400 ± 200
Elongation (L x T)	EN 12311-1	%	NPD
Root penetration resistance	EN 13948	-	NE
Static load resistance	EN 12730 (A)	kg	NPD
Impact resistance	EN 12691:2006	mm	NPD
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	NE
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	ºC	≤ -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/m²	3,00 -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	%	PND
Form stability under cyclic temperature change	EN 1108	mm	PND
High temperature flow resistance	EN 1110	ºC	≥ 100
Granule adhesion	EN 12039	%	NE
Water vapour transmission properties	EN 1931	µ	20000

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