MORTERPLAS FV 4 KG MIN

MORTERPLAS FV MIN is a self-protected waterproofing membrane, made of APP plastomeric bitumen, with a high softening point, reinforced with fibre glass felt (FV), and finished with a mineral protection on the upper side and a thermally bonded film on the lower side.

ADVANTAGES

·Excellent dimensional stability.
·Resistance to extremely high and lowtemperatures

APPLICATION

· It is particularly suited for applications where dimensional stability is required.
· Finishing membrane in multi-layer systems for non-trafficable roofs

REGULATIONS

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

TEXSA SYSTEMS SLU reserves the right to modify the information contained herein without prior notice and declines all liability in cases of errors produced due to inappropriate use of the product. The values shown in the technical sheet are the mean values from tests in our lab.

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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 lays 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 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.
· Installation and measurements will be conducted in accordance with regulations of the UNE 104401 standard.

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PACKAGING AND STORAGE

	MORTERPLAS FV 4 Kg MIN
Kg/m²	4 –5/+10%
Length (m)	10
Width (m)	1
m2/roll	10
m2/pallet	250
Finishing *	Natural slates, Red slates, Green slates y White 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 diferent 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 FV 4 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	350 ± 100 250 ± 100
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 (120 ±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/m^2	4,00 -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	%	NE
Form stability under cyclic temperature change	EN 1108	mm	NE
High temperature flow resistance	EN 1110	ºC	≥ 120
Granule adhesion	EN 12039	%	20 (-20/+10) %
Water vapour transmission properties	EN 1931	µ	20000

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