MORTERPLAS FV 3KG

MORTERPLAS FV 3 KG is a non-self-protected membrane, made of APP plastomeric bitumen, with a high softening point, reinforced with fibre glass felt (FV), and finished with a thermally bonded film on both the upper and lower side.

ADVANTAGES

- High softening point and excellent behaviour under high temperatures, making it ideal for application during the summer
- Excellent dimensional stability
- Excellent durability and ageing
- Resistance to extremely high and low temperatures

APPLICATION

Base membrane on multi-layer flat 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.
· With DIT No. 516 Inverted roof systems “TEXLOSA® ROOFING SYSTEMS.”
· With DIT No. 562/10 MORTERPLAS/MOPLAS ZERO slope
· With DIT No. 579/11 MORTERPLAS VEHICULAR TRAFFIC
· With DIT No. 580/11 UNDERGROUND STRUCTURES MORTERPLAS
· 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 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 minimum overlap of 8 cm.
· 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 FV 3 Kg	MORTERPLAS FV 4 Kg
Kg/m²	3 –5/+10%	4 –5/+10%
Length (m)	13	10
Width (m)	1	1
m2 / roll	13	10
m2 / pallet	351	270

Vertical. Store in the original packaging, dry and protected from the weather.

TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Unit	MORTERPLAS FV 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	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	≥ 500
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	NE
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	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	%	NE
Form stability under cyclic temperature change	EN 1108	mm	NE
High temperature flow resistance	EN 1110	ºC	≥ 120
Granule adhesion	EN 12039	%	NE
Water vapour transmission properties	EN 1931	µ	20000

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