MORTERPLAS FP 4 KG

MORTERPLAS FP 4 KG plastomeric bitumen-based waterproofing membrane with non-woven polyester felt reinforcement.

ADVANTAGES

- Maximum puncturing resistance (static and dynamic)
- High tear resistance
- Good dimensional stability

APPLICATION

It is especially recommended in applications where maximum puncturing resistance is needed.
· MORTERPLAS FP can be applied in a double-layer system on non-trafficable and trafficable roofs for pedestrians and vehicles, with heavy protection.
· For single-layer systems, membranes with a mass ≥ 4 kg will be used in systems in accordance with the DITs and local construction regulations.

· MORTERPLAS FP 4 kg can be applied as a membrane to ensure the watertightness of underground structures

REGULATIONS

· In accordance with the EN 13707, EN 13969 and EN 13859-2 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. 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

Bituminous Waterproofing APP

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.

TEXSA SYSTEMS SLU. c/ Ferro 7, Pol. Ind. Can Pelegrí 08755 Castellbisbal-Barcelona (+34) 93 635 14 00

PACKAGING AND STORAGE

	MORTERPLAS FP 4,8 Kg	MORTERPLAS FP 4 Kg	MORTERPLAS FP 3 Kg	MORTERPLAS FP 4 Kg GARDEN
Kg / m	4,8 –5/+10%	4 –5/+10%	3 –5/+10%	4 –5/+10%
Length (m)	8	10	13	10
Width (m)	1	1	1	1
m2 / roll	8	10	13	10
m2 / pallet	216	270	351	270
Anti-roots	NO	NO	NO	NO

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

TECHNICAL PROPERTIES

CHARACTERISTICS	Test Method	Unit	MORTERPLAS FP 4 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	700 ± 200 450 ± 150
Elongation (L x T)	EN 12311-1	%	45 ± 15 45 ± 15
Root penetration resistance	EN 13948	-	NPD
Static load resistance	EN 12730 (A)	kg	≥ 15
Impact resistance	EN 12691:2006	mm	≥ 1000
Tear strength (nail) (L x T)	EN 12310-1	N	180 x 220 ± 50
Joint peel resistance	EN 12316-1	N/50 mm	NE
Joint shear resistance (L x T)	EN 12317-1	N/50 mm	450 x 450 ± 150
Artificial ageing by long-term exposure to high temperature	EN 1296 12 sem/weeks	EN 1109 / 1110	NPD
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	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	%	≤ 0,4
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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