MINERAL MORTERPLAS FPS 5kg

MINERAL MORTERPLAS FPS 5 Kg is a self-protected APP plastomeric bitumen-based waterproofing membrane, with a high softening point, high grammage polyester felt (FP) reinforcement, and with a mineral finish on the upper side and thermofusible film on the underside.

STANDARD

The product is designed according to UNE 104-242/2 Standard as type LBM(APP)-50/G-FP. The product holds the INCE-AENOR Quality Seal.

PROPERTIES

- MINERAL MORTERPLAS FPS 5 Kg is manufactured with an APP plastomeric compound with a high polymer content, which confers the following properties to the membrane:
* Great toughness.
* Good low temperature pliability.
* Great resistance against atmospheric agents and a maximum guarantee of durability.
* High softening point; it is a tough membrane, with high temperature resistance and easy application even in hot weather.
- The 180-g/m2 punched and stable non-woven polyester felt (FP) reinforcement confers the best mechanical properties to the membrane:
* High tensile strength.
* Maximum puncturing strength (static and dynamic).
* Great tear strength.
* Good dimensional stability.

(This reinforcement complies with requirements established in UNE 104-204 standard for reinforcements for bituminous waterproofing membranes).

PACKAGING AND STORAGE

	MINERAL MORTERPLAS FPS 5 Kg
Type of reinforcement	180-g m^2 polyester mat
Kg/m^2	5
Dimensions (m)	8 x 1
m^2/roll	8
Rolls/pallet	25
Storage	Vertical

The membrane is supplied with grey slate granule topping.
Maximum storage time: 1 year, protected against weathering.

USES

- MINERAL MORTERPLAS FPS 5 Kg is applied fully-bonded in a single-ply system on roofs without heavy topping and with a pitch exceeding 1% (GA-1 membranes, according to UNE 104-402 Standard for non-trafficable roofs).
It is specially recommended in application where a tough membrane with high temperature resistance and maximum mechanical performance, is required.
Prior to adhering the membrane to the substrate, the latter must be primed with either PREJUNTER HD-1, PIBIAL or EMUFAL I.
Once dry, the membrane is torched on. Overlaps are flame-bonded, with minimum 12-cm width.
On slopes > 15% the membrane must be applied mechanically fastened to the support.
-SUBSTRATE: The surface receiving the membrane must be dry, firm, even, clean and free from loose materials.

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TECHNICAL DATA

Membrane

Tensile strength: (UNE-EN 12311-1)	Lengthwise 900 N/5 cm Crosswise 600 N/5 cm
Elongation: (UNE-EN 12311-1)	Lengthwise 50% Crosswise 50%
Heat resistance (flow): (UNE-EN 1110)	Does not drip or sag at 120ºC
Dimensional stability: (UNE-EN 1107-1)	Lengthwise < 0.5% Crosswise < 0.5%
Pliability: (UNE-EN 1109)	Does not break with bending at -15ºC
Static puncturing: (UNE-EN 12736 Method B)	Classification L-4 (> 25 Kg)
Nail tearing strength: (UNE-EN 12310-1)	Lengthwise 220 N Crosswise 280 N
Thickness (UNE-EN 1849-1:	4.2 mm

Compound

Softening point: (UNE-EN 1427)	150ºC
Penetration at 25ºC: (UNE-EN 1426)	25 dmm
Penetration at 60ºC: (UNE-EN 1426)	80 dmm
Softening point: (UNE-EN 1427)	150ºC

AUXILIARY PRODUCTS

PRODUCT	APPLICATION	APPROX. COVERAGE RATE	PACKAGING
EMUFAL I	Bituminous emulsion used as substrate primer	0.3 Kg/m^2	9-Kg drum 24-Kg drum
PREJUNTER HD-1	Rubber-asphalt-type bituminous adhesive	0.66 Kg/m^2	8.5-Kg drum 22.5-Kg drum
PIBIAL	Oxidated bitumen and solvent-based bituminous primer	0.35 Kg/m^2	7.7-Kg drum 21-Kg drum

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