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BETAGUM P 180 – 4 mm

-15°C

THE PRODUCTS

BETAGUM P 180 is an elastomeric membrane obtained from distilled asphalt modified with plastomeric polymers (SBS).

USES

BETAGUM P 180 waterproofing membrane suitable for use in applications on various roof types, whether they are insulated or not, especially those which are subjected to high levels of stress such as tensile structures or metal profile decks.

FINISHES

BETAGUM P 180 membrane are finished on both sides with a polyethylene or sand to ensure that the roll does not stick to itself and that it un-rolls correctly.

PACKAGING

The top tape indicates the product type, and the lower tape the weight of the product. The rolls are supplied on wooden pallets and are held in position by a protective heat shrunk polythene covering. Each pallet has two control dockets which enable the laboratory characteristics of the product to be readily identified

TOOL REQUIREMENTS

For the correct installation of **BETAGUM P180** type membranes, it is only required a propane gas roofing torch with a gas bottle, reduction valve and at least 10 m of approved type hose, a round nosed trowel or spatula, a utility knife, and a pair of gloves.

INSTALLATION

The surface where the membrane has to be installed must be smooth , clean , dry and treated, if required, with primer coating (for example if the material has to be fully bonded) , to enhance the adhesion of the membrane to the substrate . The membrane rolls will be unrolled and laid out on the dry primer coating , then aligned before being rolled up again. The membrane is then slowly unrolled while the lower surface is heated using the propane gas roofing torch until the TORCHFLAM melts and the bituminous compound starts melting . Side laps must be at least 100 mm and head laps 150 mm. After performing the overlap, the joint (while still hot) must be pressed , using a round nosed trowel , to ensure its good seal, and to level the molten bituminous compound that seeps from a correctly executed joint. The hot surface of the membrane should not be scraped using the trowel to avoid the exposure of the carrier.

Characteristics	Norms	U.M.	Test results	Tolerance
			BETAGUM P180	
Norms	/	/	EN 13707	/
Carrier type	/	/	Polyester Spunbond 180 g/m²	/
Compound	/	/	BPE - Elastomeric bitumen	/
Upper surfacing	/	/	Sand	/
Lower surfacing	/	/	Film PE	/
Method of application	/	/	Torch	/
Visible defects	EN 1850-1	-	Pass	/
Length	EN 1848-1	m	> (10 -1%)	/
Width	EN 1848-1	m	> (1 -1%)	/
Straightness	EN 1848-1	-	Pass	/
Thickness	EN 1849-1	mm	4	± 0,2 mm
Watertightness (metodo B)	EN 1928	-	Pass	/
Watertightness after artificial ageing	EN 1296 + EN 1928	-	Pass	/
External fire performance	EN 13501-5	-	F roof	/
Reaction to fire	EN 13501-1	-	EUROCLASSE F	/
Shear resistance of joint				
- heat lap	EN 12317-1	N/50 mm	750	- 20%
- side lap			500	
Tensile properties				
-maximum longitudinal tensile strength	EN 12311-1	N/50 mm	850	- 20%
-maximum transversal tensile strength		N/50 mm	600	- 20%
- longitudinal elongation		%	45	- 15 pp
- transversal elongation		%	45	- 15 pp
Resistance to impact	EN 12691	mm	1250	/
Resistance to static loading	EN 12730	kg	15	/
Resistance to tearing (nail shank)				
- longitudinal	EN 12310-1	N	180	-30%
- transversal			180	-30%
Dimensional stability	EN 1107-1	%	≤ 0,5	/
Flexibility at low temperature	EN 1109	°C	- 15	/
Flow resistance at elevated temperature	EN 1110	°C	95	/
Artificial ageing by long term exposure to elevated temperature	EN 1296 + EN 1109	°C	-10	+ 10
Water vapour transmission properties	EN 1931	-	μ = 20.000	/

Rev.01/14

TECHNICOL ITALIA srl reserves the right to modify the technical data in this specification sheet which is based on current production without prior warning.
All indications in this specification sheet are based upon our experience and current working practices.



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