

Texal FP 4.5kg

APP Capsheet

Torch On Waterproofing Membrane

Purpose:

Texal FP 4.5kg is a self protected, APP plastomeric bitumen-based waterproofing membrane, with a high softening point, polyester felt (FP) reinforcement, and with a coloured slated finish on the upper side and thermofusible film on the underside.

Properties:

Texal FP 4.5kg mineral is manufactured with an APP plastomeric compound, 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 hard 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

Packaging and storage:

Type of reinforcement	180-gm ² polyester mat
Kg/m ²	4
Dimensions (m)	10 x 1
m ² /roll	10
Rolls/pallet	25
Storage	Vertical

Maximum storage time: 1 year, protected against weathering.

Instructions for use:

Texal FPS 4.5kg is applied fully bonded as a single layer membrane on concrete or as the capsheet in a two layer system, on roofs with mineral self-protection (on slopes >15% the membrane must be applied mechanically fastened to the support).

Prior to adhering the membrane to the substrate, the latter must be primed with **Pibial**.

Once dry the membrane is torched on. Overlaps are flame-bonded, with minimum 8-cm width.

Surface Preparation:

The surface receiving the membrane must be dry, firm, even, clean and free from loose materials, and primed correctly with **Pibial** bitumen primer.

Characteristic	Test method	Unit	Texal FP 4.5kg Min
External fire behaviour	ENV 1187	-	Broof (t1)
Fire reaction	EN 13501-1:2002 (EN ISO 11925-2)	-	E
Watertightness	EN 1928:2000 (A)	-	Pass
Tensile properties: maximum tensile strength	EN 12311-1	N/50 mm	700 ± 200 450 ± 150
Tensile properties: elongation	EN 12311-1	%	45 ± 15 45 ± 15
Root penetration resistance	prEN 13948	-	Not relevant
Static load resistance	EN 12730 (A)	kg	≥ 15
Impact resistance	EN 12691:2006	mm	≥ 1000
Tear strength (nail)	EN 12310-1	N	Not relevant
Joint peel resistance	EN 12316-1	N/50 mm	Not relevant
Joint shear resistance	EN 12317-1	N/50 mm	450 x 450 ± 150
Artificial ageing by long-term exposure to high temperature	EN 1296 12 semanas	EN 1109/1110	Fluencia: ≤ 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	Not relevant
Flexibility at low temperature	EN 1109	0°C	≤ -10
Hazardous substances	-	-	No performance determined



Other Characteristics	Test method	Unit	Value
Visible defects	EN 1850-1	-	Pass
Length	EN 1848-1	m	≥ 10
Width	EN 1848-1	m	≥ 0.99
Straightness	EN 1848-1	-	Pass
Compound per area unit	EN 1849-1	kg/m ²	4.5 -5/+10%
Thickness	EN 1849-1	mm	-
Watertightness after stretching at low temperature	EN 13897	%	-
Dimensional stability	EN 1107-1	%	≤ 0.5
Form stability under cyclic temperature change	EN 1108	mm	Not Relevant
High temperature flow resistance	EN 1110	°C	≥ 120
Granule adhesion	EN 12039	%	20(-20/+10)%
Water vapour transmission properties	EN 1931	μ	20.000

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