

FIBERFLEX HP MINERAL

Compound
SBS
Cold Flexibility
-15°C
CHARACTERISTICS

FIBERFLEX HP MINERAL is a waterproofing membrane made of distilled bitumen modified with SBS (styrene-butadiene-styrene) polymers. The high grade elastomeric compound ensures great elasticity, ease of application and superior bonding and tightness of all joints and overlaps.
 FIBERFLEX HP MINERAL is ideally suited for systems where waterproofing layers are subject to structural solicitations and where superior ageing resistance and flexibility at low temperatures are required.

CARRIER

The carrier is a spunbond polyester stabilised with longitudinal glass yarns that combine superior dimensional stability with good tensile strength and elongation values and high mechanical properties in general.

INTENDED USE ACCORDING "CE" MARK STANDARDS

Top layer in multi-layer systems for roof waterproofing (EN 13707)

FIBERFLEX HP MINERAL
4,2 mm
CERTIFICATION

The composite roofing system including FIBERFLEX HP MINERAL 4.2 mm as top layer and FIBERFLEX PLUS 3 mm as underlay has been tested and classified in category "EXT. F.AA", in accordance with British Standard BS 476 Part 3:2004 "External Fire Exposure Roof Tests" (Report n°18900A).

AVAILABLE SURFACE FINISHES

Upper surface: self-protection with Black, Dark Grey or coloured mineral slate flakes or granules.

Lower surface: Polypropylene or polyethylene fast burning "torch-on" film.

USE & APPLICATION

FIBERFLEX HP MINERAL is recommended as cap sheet layer in multi-layer waterproofing systems, particularly suitable for use on the following: prefabricated concrete structures – concrete and brick structures – wooden roofs – sheet metal structures – tension structures.

Subject to the type of substrate FIBERFLEX HP MINERAL shall be installed by means of a propane gas torch, approved adhesives or by mechanical fixing.

For correct installation refer to information provided by Copernit Technical Department.

Properties	Test Method	Unit	FIBERFLEX HP MINERAL	Tol.
Length	EN 1848-1	m	8 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Straightness	EN 1848-1	mm	16 mm X 8 m	max
Unit weight	EN 1849-1	kg/m ²	5,0	±10%
Nominal thickness	EN 1849-1	mm	4,2	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	600/500	±20%
Elongation (at break) L/T	EN 12311-1	%	35/35	±15
Tear resistance (nail test) L/T	EN 12310-1	N	150/150	±30%
Resistance to static loading	EN 12730 (A)	kg	15	≥
Impact resistance	EN 12691	mm	1000	≥
Dimensional stability	EN 1107-1	%	±0,3	≤
Flexibility at low temperature	EN 1109	°C	-15	≤
Flow resistance at elevated temperature	EN 1110	°C	100	≥
Watertightness (method A)	EN 1928	kPa	60	≥
Resistance to water vapor diffusion (μ)	EN 1931	--	20.000	--
Reaction to fire	EN 13501-1	Class	E	--
External fire exposure roof test	BS 476 Part 3	Class	EXT.F.AA ⁺	--

(+) system related performance referred to the composite roofing system including FIBERFLEX PLUS as underlay and FIBERFLEX HP MINERAL as top layer.