



Compound
SBS

Flexibility
-15°C

COPERNIT SpA - Via Provinciale Est, 64
46020 Pegognaga (MN) Italy
Tel. +39 0376 554911 - Fax +39 0376 550177
www.copernit.it info@copernit.it

Fiberflex is a waterproofing membrane made of distilled bitumen modified with SBS (styrene-butadiene-styrene) polymers that make it very elastic, resistant to thermal ageing and flexible at low temperatures.

The elastomeric compound ensures ease of application, reduced consumption of gas and has excellent adhesion properties that ensure, when properly installed, superior bonding and tightness of all joints and overlaps.

The carrier is a polyester and glass composite with longitudinal reinforcement yarns. It provides superior dimensional stability making **Fiberflex** an easy to install membrane of excellent dimensional stability.

CE Mark: recommended destinations of use*

Top layer in multi-layer waterproofing constructions, even under permanent heavy protection finish (UNI EN 13707)	Fiberflex Mineral 4,0 - 4,5 kg/m ²	—
Underlay or intermediate layer in multi-layer systems for roof waterproofing even under permanent heavy protection finish (UNI EN 13707)	Fiberflex 4,0 mm	—

* On demand this product can be manufactured also in other thicknesses; consult with Copernit Sales Office.

Available surface finishes

Upper surface: plastic films PE/ PP (**Fiberflex**) or self protected with slate granules (**Fiberflex Mineral**).
Upon request it can be supplied with sand finish or with non woven black poly-propylene fleece (**TEX**).
Lower surface: polypropylene or polyethylene burn-off film.

Properties	Test Method	Unit	Declared Values	Tolerances	
Length	EN 1848-1	m	10 (-1%)	≥	
Width	EN 1848-1	m	1,0 (-1%)	≥	
Thickness	EN 1849-1	mm	See CE Mark table above	±5%	
Unit Weight	EN 1849-1	kg/m ²	See CE Mark table above	±10%	
Tensile Strength (at break)	EN 12311-1	N/5 cm	L	400	±20%
			T	300	
Elongation (at break)	EN 12311-1	%	L	35	±15 absolute
			T	35	
Tear resistance (nail test)	EN 12310-1	N	L	130	±30%
			T	130	
Resistance to static loading	EN 12730 (A)	kg	10	≥	
Impact resistance	EN 12691	mm	700	≥	
Dimensional Stability	EN 1107-1	%	±0,3	≤	
Flexibility at low temperature	EN 1109	°C	-15	≤	
Flow resistance	EN 1110	°C	100	≥	
Water tightness	EN 1928 (A)	kPa	60	≥	
Reaction to fire	EN 13501 -1	—	Euroclass E	—	
Resistance to external fire	EN 13501 -5	—	F roof	—	

Fields and methods of application

Fiberflex is recommended as a base sheet or intermediate layer in multi-layer waterproofing systems for flat, pitched or vaulted roofs, made of reinforced concrete cast on site or prefab, of terraces, under-floorings etc. In case of direct exposure to weathering agents **Fiberflex** shall be protected.

Fiberflex Mineral can be used as cap

sheet layer without any further protective finish

Subject to the type of substrate **Fiberflex** shall be installed by means of a propane gas torch, approved adhesives or by mechanical fixing. For cold applications on concrete surfaces, preferably primed, apply with **Coperglue Base** bituminous adhesive over horizontal areas and with

Coperglue Vertical at parapets and elevations. Side laps, head joints and small repairs shall be made with **Coperglue Joint**. For cold applications over insulation board (Polystyrene, PUR or PIR) apply with **Copermast** bituminous mastic. For correct installation refer to information provided by Copernit Technical Department.