

FIBERFLEX PLUS

TECHNICAL DATA SHEET

FIBERFLEX PLUS 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 PLUS an easy to install membrane of excellent dimensional stability.

CE MARK: RECOMMENDED DESTINATIONS OF USE

| | | | | |
|---|--|--|--|--|
| Cap sheet layer in multi-layer waterproofing constructions, without heavy duty protection finish (UNI EN 13707) | FIBERFLEX PLUS MINERAL 4.5 kg/m ² | | | |
|---|--|--|--|--|

AVAILABLE SURFACE FINISHES

Upper surface : plastic films PE/ PP (FIBERFLEX PLUS) or self protected with slate granules (FIBERFLEX PLUS MINERAL 4.5 kg/m²)

Upon request it can be supplied with sand finish or with TEX (black polypropylene fleece)

Lower surface : polypropylene or polyethylene burn-off film

| PROPERTIES | TEST METHOD | UNIT | AVERAGE VALUES | TOLERANCES | |
|--------------------------------|--------------|-------------------|-------------------------|------------|--------------|
| Length | EN 1848-1 | m | 8 | ±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 | ±5% | |
| Tensile Strength (at break) | EN 12311-1 | N/5 cm | L | 500 | ±20% |
| | | | T | 400 | ±20% |
| Elongation (at break) | EN 12311-1 | % | L | 35 | -15 absolute |
| | | | T | 35 | -15 absolute |
| Tear resistance (nail test) | EN 12310-1 | N | L | 140 | ±30% |
| | | | T | 140 | ±30% |
| Resistance to static loading | EN 12730 (A) | kg | 15 | -- | |
| Impact resistance | EN 12691 | mm | 800 | -- | |
| 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 | kPa | 60 | | |
| Reaction to fire | EN 13501 -1 | --- | Euroclass F | -- | |
| Resistance to external fire | EN 13501 -5 | -- | F roof | -- | |

FIELDS AND METHODS OF APPLICATION

FIBERFLEX PLUS is recommended as a cap sheet layer in multi-layer waterproofing constructions 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 PLUS shall be protected with reflective paint or by a layer of self-protected (mineralised) membrane.

FIBERFLEX PLUS MINERAL can be used as cap sheet layer without any further protective finish

Subject to the type of substrate FIBERFLEX PLUS shall be installed by means of a propane gas torch and/or of approved cold or hot adhesives. For correct installation refer to information provided by Copernit Technical Department.