

PF4

Compound APP

DESCRIPTION: PF4 is a polymer-modified waterproofing membrane obtained from the modification of distilled bitumen with poly-olefin based co-polymers.
The modified compound makes PF4 an easy to apply membrane that requires low consumption of gas and has excellent adhesion properties that ensure, when the membrane is properly installed, very good bonding and tightness of all joints and overlaps.

CARRIER: The carrier is a composite polyester stabilised with longitudinal glass yarns that provide very good dimensional stability and prevent problems of shrinkage caused by weathering in time.

INTENDED USE ACCORDING "CE" MARK STANDARDS:

- PF4 3.0 - 4.0 mm : underlay or intermediate layer in multi-layer system for roof waterproofing without permanent heavy protection finish (EN 13707)
- PF4 3.0 - 4.0 mm : foundations and ground waterproofing (EN 13969)

AVAILABLE SURFACE FINISHES

Upper surface: sand
Lower surface: polyethylene fast burning film.

METHODS OF APPLICATION

PF4 is recommended as a base sheet or intermediate layer in multi-layer waterproofing constructions for flat, pitched or vaulted roofs, made of reinforced concrete cast on site or prefab, of terraces, underfloorings, etc.
In case of direct exposure to weathering agents, PF4 shall be protected with reflective paint or by a layer of self-protected (mineralised) membrane.

Subject to the type of substrate PF4 shall be installed by means of a propane gas torch, approved adhesives, cold or hot, or by mechanical fixing.

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

PROPERTIES	TEST METHOD	UNIT	PF4	TOL
Length	EN 1848-1	m	10,0 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Straightness	EN 1848-1	mm	20 mm X 10 m	Max
Unit weight	EN 1849-1	mm	3,0 - 4,0	±5%
Tensile strength L/T (max load)	EN 12311-1	N/5 cm	400/300	±20%
Breaking elongation L/T	EN 12311-1	%	35/35	±15
Resistance to tearing L/T	EN 12310-1	N	130/130	±30%
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	-5	---
Flow resistance at elevated temperature	EN 1110	°C	120	≥
Watertightness (A method)	EN 1928	kPa	60	≥
Water vapour transmission	EN1931	μ	20.000	≥
Reaction to fire	EN 13501 -1	Class	E	--
External fire exposure behaviour	EN 13501 -5	Class	F roof	--