

# PF4 MINERAL

Compound  
**APP**

**DESCRIPTION:** PF4 MINERAL is a polymer-modified waterproofing membrane obtained from the modification of distilled bitumen with poly-olefin based co-polymers. The modified compound makes PF4 MINERAL 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 MINERAL 4.5 – 5.0 kg/m<sup>2</sup>: top layer in multi-layer systems for roof waterproofing without heavy permanent protection finish (EN 13707)
- PF4 MINERAL 4.5 – 5.0 kg/m<sup>2</sup>: waterproofing layer under slates or tiles (EN 13859-1)

**AVAILABLE SURFACE FINISHES** Upper surface: Self protected with white or coloured slate flakes

Lower surface: polyethylene fast burning film.

**METHODS OF APPLICATION** PF4 MINERAL is recommended as a cap sheet layer in multi-layer waterproofing constructions for applications without other types of protection. PF4 MINERAL is also indicated for use as a waterproofing layer under slates or roof tiles.

Subject to the type of substrate PF4 MINERAL 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 MINERAL	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	kg/m <sup>2</sup>	4,5 – 5,0	±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	--