

# IDROPOL MINERAL

Compound

## APP

**DESCRIPTION:**

IDROPOL MINERAL is a polymer-modified waterproofing membrane obtained from the modification of distilled bitumen with poly-olefin based co-polymers. The modified compound makes IDROPOL 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:**

- IDROPOL MINERAL 4.0 - 4.5 kg/m<sup>2</sup> : top layer in multi-layer systems for roof waterproofing without heavy permanent protection finish (EN 13707)
- IDROPOL MINERAL 4.0 - 4.5 kg/m<sup>2</sup>: waterproofing layer under slates or tiles (EN 13859-1)

**AVAILABLE  
SURFACE FINISHES**

Upper surface: Self protected with dark grey or coloured slate flakes

Lower surface: polyethylene fast burning film.

**METHODS OF  
APPLICATION**

IDROPOL MINERAL is recommended as a cap sheet layer in multi-layer waterproofing constructions for applications without other types of protection. IDROPOL 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	IDROPOL 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>	4,0 - 4,5	±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	0 / -5	---
Flow resistance at elevated temperature	EN 1110	°C	120	≥
Watertightness (A method)	EN 1928	kPa	60	≥
Compound softening point (ring&ball)	ASTM D36-86	°C	150	≥
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	--