

COPERPOL MINERAL 4 mm

Compound
APAO

Cold Flexibility
-20°C

CHARACTERISTICS

COPERPOL is a high-grade polymer modified waterproofing membrane made of distilled bitumen modified with polyolefins and selected copolymers (APAO), that make it highly resistant to UV, very adhesive and very flexible at low temperatures.

COPERPOL is designed for use by professionals in applications where good resistance of the waterproofing layer to severe weathering and to adverse climate conditions is required.

CARRIER

The carrier is an isotropic and rot-proof spunbond polyester carrier, reinforced and stabilised with longitudinal glass yarns that provide superior dimensional stability and reduce to an absolute minimum the risk of shrinkages caused in time by weathering and by swift thermal excursions.

INTENDED USE ACCORDING "CE" MARK STANDARDS

Single layer system for roof waterproofing (EN 13707)

COPERPOL MINERAL
4,0 mm

AVAILABLE SURFACE FINISHES

Upper surface self-protection by means of slate flakes available in white or other various colours upon request.

Lower surface Polyethylene fast burning film. For cold applications by means of adhesive the use of sand finishing on the lower surface is recommended.

USE & APPLICATION

COPERPOL MINERAL 4 mm is recommended as single layer in waterproofing systems for flat, pitched or vaulted roofs, made of reinforced concrete cast on site or prefab, of terraces, under-floorings etc.

Subject to the type of substrate it shall be installed by means of a propane gas torch, approved adhesives or by mechanical fixing. In any case it is recommended to prepare substrate with fixative bituminous PRIMER W (water base) or PRIMER S (solvent base). For cold applications on primed concrete surfaces apply with COPERGLUE BASE bituminous adhesive (over horizontal areas) or COPERGLUE VERTICAL (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.

Properties	Test Method	Unit	COPERPOL MINERAL 4,0 mm	Tol.
Length	EN 1848-1	m	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Thickness	EN 1849-1	mm	4,0	±10%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	700/600	±20%
Elongation (at break) L/T	EN 12311-1	%	40/40	±15
Tear resistance (nail test) L/T	EN 12310-1	N	180/180	±30%
Resistance to static loading	EN 12730 (A)	kg	15	≥
Impact resistance	EN 12691	mm	1000	≥
Dimensional stability	EN 1107-1	%	±0,3	≤
Flexibility at low temperature	EN 1109	°C	-20	≤
Flow resistance at elevated temperature	EN 1110	°C	140	≥
Watertightness (method A)	EN 1928	kPa	60	≥
Resistance to water vapor diffusion (μ)	EN 1931	--	20.000	--
Reaction to fire	EN 13501-1	Class	E	--
Resistance to external fire	EN 13501-5	Class	F roof	--