CE
GB14/92057

COPERNIT
WATERPROOFING SYSTEMS

WATERPROOFING MATERIAL MINERAL

Compound	Cold Flexibility
APP	0°C

CHARACTERISTICS

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

Underlay or intermediate layer in multi-layer systems for roof waterproofing (EN 13707)	**WATERPROOFING MATERIAL MINERAL** 4,0 kg/m²

AVAILABLE SURFACE FINISHES

Upper surface: self-protection by means of slate flakes available in standard grey 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

WATERPROOFING MATERIAL MINERAL 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.
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	WATERPROOFING MATERIAL MINERAL	Tol.
Length	EN 1848-1	m	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Unit weight	EN 1849-1	kg/m²	4,0	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	400/300	±20%
Elongation (at break) L/T	EN 12311-1	%	35/35	±15
Tear resistance (nail test) 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	≤
Flow resistance at elevated temperature	EN 1110	°C	120	≥
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	--

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