

WATERPROOFING MATERIAL

Compound
APP

Cold Flexibility
-5°C

CHARACTERISTICS: WATERPROOFING MATERIAL is polymer-modified waterproofing membrane obtained from the modification of distilled bitumen with poly-olefin based co-polymers. The modified compound ensures ease of application, reduced 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. WATERPROOFING MATERIAL is a very versatile waterproofing membrane and is suitable for most waterproofing applications

CARRIER: The carrier is a polyester and glass composite with longitudinal reinforcement yarns: it provides great dimensional stability making WATERPROOFING MATERIAL an easy to install membrane.

INTENDED USE ACCORDING "CE" MARK STANDARDS:

- WATERPROOFING MATERIAL 4,0 mm: top layer in multi-layer systems for roof waterproofing (EN 13707); foundations or ground waterproofing (EN 13969)
- WATERPROOFING MATERIAL **MINERAL** 4,0 mm - 4,5 kg/m² - 5,0 kg/m²: top layer in multi-layer systems for roof waterproofing (EN 13707)

AVAILABLE SURFACE FINISHES:

Upper surface: WATERPROOFING MATERIAL: sand or PE plastic film.
WATERPROOFING MATERIAL **MINERAL**: self protection by means of slate flakes available in standard grey or various colours (e.g. white).

Lower surface: Polyethylene fast burning film

USE & APPLICATION: WATERPROOFING MATERIAL 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, under-floorings etc. In case of direct exposure to weathering agents, WATERPROOFING MATERIAL shall be protected with reflective paint or by a layer of self-protected (mineralised) membrane.

WATERPROOFING MATERIAL **MINERAL** is recommended for use as a cap sheet layer in multi-layer waterproofing systems, without any other type of surface protection; WATERPROOFING MATERIAL **MINERAL** is also suitable under slates, roof tiles and on pitched roofs in general.

Subject to the type of substrate WATERPROOFING MATERIAL shall be installed by means of a propane gas torch, approved adhesives or by mechanical fixing. For cold applications on concrete surfaces, preferably primed, apply with COPERGLUE BASE bituminous adhesive over horizontal areas and with COPERGLUE VERTICAL at 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	WATERPROOFING MATERIAL MINERAL	TOL
Length	EN 1848-1	m	10 (-1%)	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	1,0 (-1%)	≥
Unit weight (versions specified by weight)	EN 1849-1	kg/m ²	--	4,5 - 5,0	±5%
Thickness (versions specified by thickness)	EN 1849-1	mm	4,0	4,0	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	400/300	400/300	±20%
Elongation (at break) L/T	EN 12311-1	%	35/35	35/35	±15
Tear resistance (nail test) L/T	EN 12310-1	N	130/130	130/130	±30%
Resistance to static loading	EN 12730 (A)	kg	10	10	≥
Impact resistance	EN 12691	mm	700	700	≥
Dimensional stability	EN 1107-1	%	±0,3	±0,3	≤
Flexibility at low temperature	EN 1109	°C	-5	-5	≤
Flow resistance at elevated temperature	EN 1110	°C	120	120	≥
Watertightness (method A)	EN 1928	kPa	60	60	≥
Resistance to water vapour diffusion (μ)	EN1931	--	20.000	20.000	--
Reaction to fire	EN 13501 -1	Class	E	E	--
Resistance to external fire	EN 13501 -5	Class	F roof	F roof	--