CE
GB14/92057

COPERNIT
WATERPROOFING SYSTEMS

ASTROFLEX MINERAL

Compound	Cold Flexibility
SBS	-20°C

CHARACTERISTICS

ASTROFLEX MINERAL is a waterproofing membrane made of distilled bitumen modified with SBS (Styrene-Butadiene-Styrene) polymers. The high grade elastomeric compound ensures great elasticity, ease of application and superior bonding and tightness of all joints and overlaps.
ASTROFLEX MINERAL is ideally suited for systems where waterproofing layers are subject to structural solicitations and where superior ageing resistance and flexibility at low temperatures are required.

CARRIER

The carrier is a composite polyester stabilised with longitudinal glass yarns that combine superior dimensional stability with good mechanical properties.

INTENDED USE ACCORDING "CE" MARK STANDARDS

Top layer in multi-layer systems for roof waterproofing (EN 13707)	**ASTROFLEX MINERAL** 6,0 kg/m²

AVAILABLE SURFACE FINISHES

Upper surface: Self-protection by means of slate flakes available in standard grey, white or other various colours upon request.

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

USE & APPLICATION

ASTROFLEX 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	ASTROFLEX MINERAL	Tol.
Length	EN 1848-1	m	7,5 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Unit weight	EN 1849-1	kg/m²	6,0	±5%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	500/400	±20%
Elongation (at break) L/T	EN 12311-1	%	35/35	±15
Tear resistance (nail test) L/T	EN 12310-1	N	140/140	±30%
Resistance to static loading	EN 12730 (A)	kg	15	≥
Impact resistance	EN 12691	mm	800	≥
Dimensional stability	EN 1107-1	%	±0,3	≤
Flexibility at low temperature	EN 1109	°C	-20	≤
Flow resistance at elevated temperature	EN 1110	°C	100	≥
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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