CE 0958

COPERNIT WATERPROOFING SYSTEMS

ASTROPOL MINERAL

Compound	Cold Flexibility
APP	-10°C

CHARACTERISTICS

ASTROPOL MINERAL is a polymer-modified waterproofing membrane made of distilled bitumen modified with polyolefins and selected copolymers, that make it very adhesive and flexible at low temperatures.
The special modified compound ensures ease of application, reduced consumption of gas and has excellent adhesion properties making ASTROPOL MINERAL a safe, durable and weather resistant waterproofing membrane that has earned the fidelity of many clients with millions of m^2 applied over the years. ASTROPOL MINERAL is one of Copernit's top selling products for several years.

CARRIER

The carrier is a composite polyester reinforced and stabilised with longitudinal glass yarns that gives the membrane high dimensional stability combined with security and easy placement.

INTENDED USE ACCORDING "CE" MARK STANDARDS AVAILABLE SURFACE FINISHES

	ASTROPOL MINERAL 4,0 – 4,5 kg/m^2
Top layer in multi-layer systems for roof waterproofing (EN 13707)	

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

ASTROPOL 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	ASTROPOL MINERAL 4,0 kg	ASTROPOL MINERAL 4,5 kg	Tol.
Length	EN 1848-1	m	10 (-1%)	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	1,0 (-1%)	≥
Unit weight	EN 1849-1	kg/m²	4,0	4,5	±10%
Tensile strength (at break) L/T	EN 12311-1	N/5 cm	600/400	600/400	±20%
Elongation (at break) L/T	EN 12311-1	%	35/35	35/35	±15
Tear resistance (nail test) L/T	EN 12310-1	N	140/140	140/140	±30%
Resistance to static loading	EN 12730 (A)	kg	15	15	≥
Impact resistance	EN 12691	mm	800	800	≥
Dimensional stability	EN 1107-1	%	±0,3	±0,3	≤
Flexibility at low temperature	EN 1109	°C	-10	-10	≤
Flow resistance at elevated temperature	EN 1110	°C	130	130	≥
Watertightness (method A)	EN 1928	kPa	60	60	≥
Resistance to water vapor diffusion (μ)	EN 1931	--	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}	--

COPERNIT S.p.A.
Via Provinciale Est, 64 - 46020 Pegognaga (MN) – Italy Tel. +39 0376 554911 Fax +39 0376 550177
www.copernit.it - email: info@copernit.it