



GB14/92057

ASTROPOL ANTIROOT

Compound

APP

Cold Flexibility

-10°C**CHARACTERISTICS**

ASTROPOL ANTIROOT 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 anti-root properties are achieved with a purpose-designed additive that remains stable in time within the bituminous mass and does not leach out to any materials in contact with ASTROPOL ANTIROOT, be it garden soil or else. The homogeneous dispersion of the additive within the compound of the membranes ensures that roots cannot penetrate ASTROPOL ANTIROOT even at joint overlaps.

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

Antiroot top layer in multi-layer systems for "roof garden" constructions waterproofing (EN 13707)	Astropol Antiroot 4,0 mm
Foundations or ground waterproofing (EN 13969)	Astropol Antiroot 4,0 mm

AVAILABLE SURFACE FINISHES

Upper surface Sand; upon request talc or plastic HDPE film.

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 ANTIROOT is recommended as cap sheet layer for the waterproofing of roof gardens, flower boxes, tunnels and subways, roof waterproofing with heavy protection (gravel or floating floors).

ASTROPOL ANTIROOT is ideally suited also for the waterproofing of basements.

Subject to the type of substrate it shall be installed by means of a propane gas torch, approved adhesives; in any case it is important that joints and overlaps are made by torching and/or by means of hot air in order to molten and seal the bituminous mass, rich with anti-root additive, thus bonding the single sheets into a seamless barrier against root penetration.

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 ANTIROOT	Tol.
Length	EN 1848-1	m	10 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Thickness	EN 1849-1	mm	4,0	±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	-10	≤
Flow resistance at elevated temperature	EN 1110	°C	130	≥
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 root penetration	EN 13948	--	Pass	--

