

ASTROFLEX ANTIROOT 4 mm (SIST 1031 - EN 13707)	Compound SBS	Cold Flex -20°C
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DESCRIPTION: ASTROFLEX ANTIROOT 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. 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 ASTROFLEX ANTIROOT, be it garden soil or else. The homogeneous dispersion of the additive within the compound of the membranes ensures that roots cannot penetrate ASTROFLEX ANTIROOT even at joint overlaps. ASTROFLEX ANTIROOT 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 stabilised polyester that combines superior mechanical properties with good dimensional stability.

INTENDED USE ACCORDING "CE" MARK STANDARDS:

- ASTROFLEX ANTIROOT 4.0 mm: anti-root layer in multilayer systems for "roof garden" constructions waterproofing (SIST 1031 - EN 13707)

AVAILABLE SURFACE FINISHES

Upper surface: sand; on request talc or PE/PP plastic films

Lower surface: polyethylene fast burning film.

METHODS OF APPLICATION

ASTROFLEX ANTIROOT 4 mm 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). ASTROFLEX ANTIROOT is ideally suited also for the waterproofing of basements. Subject to the type of substrate ASTROFLEX ANTIROOT 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	ASTROFLEX ANTIROOT	TOL
Length	EN 1848-1	m	10,0 (-1%)	≥
Width	EN 1848-1	m	1,0 (-1%)	≥
Straightness	EN 1848-1	mm	20 mm X 10 m	≤
Thickness	EN 1849-1	mm	4,0	±5%
Tensile strength L/T (max load)	EN 12311-1	N/5 cm	550/550	≥
Breaking elongation L/T	EN 12311-1	%	30/30	≥
Resistance to tearing L/T	EN 12310-1	N	180/180	±30%
Resistance to static loading	EN 12730(A)	kg	15	≥
Impact resistance	EN 12691	mm	800	≥
Dimensional stability	EN 1107-1	%	±0,7	≤
Flexibility at low temperature	EN 1109	°C	-20	≤
Flow resistance at elevated temperature	EN 1110	°C	100	≥
Watertightness (A method)	EN 1928	kPa	60	≥
Water vapour transmission	EN1931	μ	20.000	--
Resistance to root penetration	EN 13948	--	pass	--
Reaction to fire	EN 13501 -1	Class	E	--