

ASTROFLEX SBS R

Compound
SBS

Cold Flex
-20°C

DESCRIPTION: ASTROFLEX SBS R are waterproofing membranes 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 SBS R are ideally suited for professional applications where waterproofing layers are subject to intense structural solicitations and where superior ageing resistance and flexibility at low temperatures of the waterproofing layers are a must.

CARRIER: The carrier is an high-grade spunbond polyester that combines excellent tensile strength, high elongation values with good dimensional stability.

REFERENCE STANDARDS AND CERTIFICATION: ASTROFLEX SBS R membranes comply with the requirements of SI 1430 pt3, grade R SBS products: the Standard Mark on the rolls is the proof of this certified quality (SII License n°17256).

AVAILABLE SURFACE FINISHES ASTROFLEX SBS R certified membranes are available in 4 versions: 4 mm "black", 5 mm "black", 4.2mm "mineral" and 5.2 mm "mineral".

AVAILABLE SURFACE FINISHES Upper surface: fine **sand** for the "black" versions and **white** mineral chips for the "mineral" versions

Lower surface: polyethylene fast burning film.

METHODS OF APPLICATION ASTROFLEX SBS R 4.0 mm and 5.0 mm black are recommended as waterproofing single layers but also as underlayers in multi-layer waterproofing constructions.

ASTROFLEX SBS R 4.2mm and 5.2 mm MINERAL are recommended as waterproofing single layer and of course as top layer in multi-layer waterproofing systems.

Normally ASTROFLEX SBS R membranes shall be installed by means of a propane gas torch.

For correct installation refer to information provided by Copernit Technical Department.

PROPERTIES	TEST METHOD	UNIT	SBS 4 R black	SBS 5 R black	SBS 4 R mineral	SBS 5 R mineral	TOL
Length	SI 1430 pt 3	m	10,0	7,5	10,0	7,5	-1%
Width	SI 1430 pt 3	m	1,0	1,0	1,0	1,0	-1%
Average thickness	SI 1430 pt 3	mm	4,0	5,0	4,2	5,2	min
Tensile strength L/T (max load)	SI 1430 pt 3	N/5 cm	600/500	700/650	600/500	700/650	≥
Breaking elongation L/T	SI 1430 pt 3	%	35/35	35/35	35/35	35/35	≥
Resistance to tearing L/T	SI 1430 pt 3	N	100/100	130/130	100/100	130/130	≥
Flexibility at low temperature	SI 1430 pt 3	°C	-20	-20	-20	-20	≤
Flexibility at low temp. after ageing	SI 1430 pt 3	°C	-10	-10	-10	-10	≤
Flow resistance at elevated temperature	SI 1430 pt 3	°C	110	110	110	110	≥
Dimensional stability	SI 1430 pt 3	%	±0,5	±0,5	±0,5	±0,5	max
Watertightness (A method)	EN 1928	kPa	60	60	60	60	--
Water vapour transmission	EN 1931	μ	20.000	20.000	20.000	20.000	--
Reaction to fire	EN 13501-1	Class	E	E	E	E	--
External fire exposure behaviour	EN 13501-5	Class	F roof	F roof	F roof	F roof	--