

ASTROPOL APP R

Compound
APP

Cold Flex
-10°C

DESCRIPTION: ASTROPOL APP R are polymer-modified waterproofing membranes made of distilled bitumen modified with polyolefins and selected copolymers, that make it very adhesive and flexible at low temperatures. The rich modified compound ensures ease of application, reduced consumption of gas and has excellent adhesion properties making ASTROPOL APP R a safe, durable and weather resistant waterproofing membrane.

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: ASTROPOL APP R membranes comply with the requirements of SI 1430 pt3, grade R APP products: the Standard Mark on the rolls is the proof of this certified quality (SII License n°17256).

CERTIFICATION: ASTROPOL APP 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 ASTROPOL APP R 4.0 mm and 5.0 mm black are recommended as waterproofing single layers but also as underlayers in multi-layer waterproofing constructions. ASTROPOL APP 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 ASTROPOL APP 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	APP 4 R black	APP 5 R black	APP 4 R mineral	APP 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	-10	-10	-10	-10	≤
Flexibility at low temp. after ageing	SI 1430 pt 3	°C	0	0	0	0	≤
Flow resistance at elevated temperature	SI 1430 pt 3	°C	135	135	135	135	≥
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	--