COPERNIT WATERPROOFING PRODUCTS

TECHNICAL DATA SHEET

CE
0958 - CPD – DK031
0958 - CPD – DK033
1023 – CPD – 0349 F

COPERFLEX SBS M

Compound	Cold Flex
SBS	**-25°C**

DESCRIPTION:

COPERFLEX SBS M are waterproofing membranes made of distilled bitumen modified with SBS (styrene-butadiene-styrene) polymers. The superior elastomeric compound ensures extreme elasticity, ease of application and superior bonding and tightness of all joints and overlaps.
COPERFLEX SBS M 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 a tough high-grade spunbond polyester that combines excellent tensile strength, high elongation values with good dimensional stability.

REFERENCE STANDARDS AND CERTIFICATION:

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

COPERFLEX SBS M certified membranes are available in 3 versions: 4 mm "black", 5 mm "black" 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

COPERFLEX SBS M 4.0 mm and 5.0 mm black are recommended as waterproofing single layers but also as underlayers in multi-layer waterproofing constructions.
COPERFLEX SBS M 5.2 mm MINERAL is recommended as waterproofing single layer and of course as top layer in multi-layer waterproofing systems.

Normally COPERFLEX SBS M 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 M black	SBS 5 M black	SBS 5 M mineral	TOL
Length	SI 1430 pt 3	m	10,0	7,5	7,5	-1%
Width	SI 1430 pt 3	m	1,0	1,0	1,0	-1%
Average thickness	SI 1430 pt 3	mm	4,0	5,0	5,2	min
Tensile strength L/T (max load)	SI 1430 pt 3	N/5 cm	700/650	800/800	800/800	≥
Breaking elongation L/T	SI 1430 pt 3	%	35/35	40/40	40/40	≥
Resistance to tearing L/T	SI 1430 pt 3	N	130/130	200/200	200/200	≥
Flexibility at low temperature	SI 1430 pt 3	°C	-25	-25	-25	≤
Flexibility at low temp. after ageing	SI 1430 pt 3	°C	-15	-15	-15	≤
Flow resistance at elevated temperature	SI 1430 pt 3	°C	115	115	115	≥
Dimensional stability	SI 1430 pt 3	%	±0,5	±0,5	±0,5	max
Watertightness (A method)	EN 1928	kPa	60	60	60	--
Water vapour transmission	EN 1931	μ	20.000	20.000	20.000	--
Reaction to fire	EN 13501-1	Class	E	E	E	--
External fire exposure behaviour	EN 13501-5	Class	F roof	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