

## Product data sheet 2015-2-2

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Certification number: 1724-CPD-041101  
1724-CPD-041201

Product trade name: **MONOPLEX SBS PV 180 S4, mineral fine Elastomer bitumen torch-on membrane**

Product-number: 12094

Product specification: DIN EN 13707  
DIN EN 13969

Length, Width: 10.00 m x 1.00 m  
Thickness: 4.00 mm  
Coating type: Elastomer bitumen  
Content of solubility: N/A  
Reinforcement: Polyester fleece  
Min. weight of reinforcement: 180 g/m<sup>2</sup>

Polymer bitumen torch-on membrane with polyester fleece reinforcement  
– as a bottom layer of roof insulation and a polymer bitumen torch-on membrane  
with polyester fleece reinforcement to seal buildings against rising damp and water.

Characteristics according to DIN EN 13 707, DIN EN 13969	Test method/ Classification	Units	Requirements/ Critical value
Visible defects	DIN EN 1850-1	-	no visible defects
Length	DIN EN 1848-1	m	≥ 10.00
Width	DIN EN 1848-1	m	≥ 1.00
Straightness	DIN EN 1848-1	mm/10 m	≤ 20
Mass per unit area	DIN EN 1849-1	kg/m <sup>2</sup>	unverifiable result
Thickness	DIN EN 1849-1	mm	4.0 ± 0.2 abs.
Water tightness at 200 kPa test pressure	DIN EN 1928 Method B	-	passed
External fire performance	DIN V ENV 1187	-	see testing of system
Reaction to fire	DIN EN ISO 11925-2	-	Class E according to DIN EN 13501-1
Water tightness after stretching at low temperatures	DIN EN 13897	-	unverifiable result
Peel resistance of joint	DIN EN 12316-1	N/50 mm	unverifiable result

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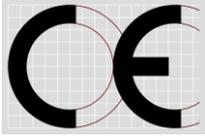
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Reserving changes. The indicated technical values refer to the date of production.



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Characteristics according to DIN EN 13707, DIN EN 13969	Test method/ Classification	Units	Requirements/ Critical value
Shear resistance of joint	DIN EN 12317-1	N/50 mm	unverifiable result
Tensile properties: maximum tensile force	DIN EN 12311-1	N/50 mm	≥ 800 / 600
Tensile: elongation	DIN EN 12316-1	%	≥ 35 / 35
Resistance to impact	DIN EN 12691	mm	unverifiable result
Resistance to static loading	DIN EN 12730	kg	unverifiable result
Resistance to tearing (nail shank)	DIN EN 12310-1	N	unverifiable result
Resistance to root penetration	DIN EN 13948	-	-
Dimensional stability	DIN EN 1107-1	%	-
Form stability under cyclic temperature change	DIN EN 1108	%	unverifiable result
Flexibility at low temperatures	DIN EN 1109	°C	- 15 ± 5 abs.
Flow resistance at elevated temperatures	DIN EN 1110	°C	+ 100 ± 8 abs.
Artificial aging DIN EN 1296	DIN EN 1109	°C	unverifiable result
	or DIN EN 1110	°C	unverifiable result
Adhesion of granules	DIN EN 12039	%	-
Water vapour transmission properties	DIN EN 1931	-	-

### Customer information:

Purpose:

**MONOPLEX SBS PV 180 S4 mineral fine** is a polymer bitumen torch-on membrane. In the build up of the flat roof layers this membrane is used as a waterproof layer on any angle and together with other polymer bitumen membranes or bitumen underlay membranes it is used as a under layer of roof insulation.

Please pay attention to the inclination and operational demands!

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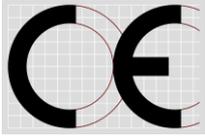
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### Application:

The application of **MONOPLEX SBS PV 180 S4 mineral fine** is carried out in accordance with the nationally valid regulations for roofs with sealants. The whole membrane is torched-on with a joint overlap of at least 8 cm. In case of a directly mechanically fixing the joint overlap has to be approximately 12 cm.

### Advise:

Due to its thermoplastic inlay the membrane must not be overheated.

Loose laying or mechanical fixing of the membrane as well as spots or stripes of heating/adhesion on the surface followed by heating/adhesion of the joint overlaps can cause corrugation if the outside temperature and/or surface temperature are too low.

Please note that the colour of the granules can vary during their useful life due to the effects of weather and other outside circumstances.

### Chemical resistance:

**MONOPLEX SBS PV 180 S4 mineral fine** is water-resistant as well as resistant to watery solutions of salt, diluted non oxidising acids and bases. Aliphatic and aromatic hydrocarbons as well as chlorine hydrocarbons, oils and greases loosen **MONOPLEX SBS PV 180 S4 mineral fine**.

### Storage:

Store upright in a cool and dry place.

### Safety data sheet:

Supplementary safety data sheet is available on request.

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