



Product data sheet 841-1-2



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Certification number: 1724 - CPR - 041101
1724 - CPR - 041201

Product trade name: **SK Bit 105® PV Root Protection Membrane
polymer bitumen torch-on membrane**

Product-number: 11642

Product-standard: DIN EN 13707
DIN EN 13969

Labelling: DO / E 1 PYE-PV 200 S5 acc. to DIN SPEC 20000-201
BA / PYE-PV 200 S5 acc. to DIN SPEC 20000-202

Length, width: 5.00 m x 1.00 m
Thickness: 5.20 mm Coating type: Polymer bitumen
Content of solubility: N/A
Reinforcement: Polyester fleece
Min. weight of reinforcement: 250 g/m²

Polymer bitumen torch-on membrane with polyester fleece as a top layer of roof insulation.

| Characteristics according to DIN EN 13 707, DIN EN 13 969 | Test method/ Classification | Units | Requirements/ Critical Value |
|--|--------------------------------|-------------------|--|
| Visible defects | DIN EN 1850-1 | - | no visible defects |
| Length | DIN EN 1848-1 | m | ≥ 5,00 |
| 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 ² | unverifiable result |
| Thickness | DIN EN 1849-1 | mm | ≥ 5,20 |
| 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 |
| 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 | 1200 / 1000 ± 10 % |

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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 13 707, DIN EN 13 969 | Test method/ Classification | Units | Requirements/ Critical value |
|---|-------------------------------|----------|--|
| Tensile: Elongation | DIN EN 12316-1 | % | 40 / 45 ± 5 abs. |
| 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 | - | root resistance |
| 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 | ≤ - 25 |
| Flow resistance at elevated temperatures | DIN EN 1110 | °C | ≥ + 115 |
| Artificial aging DIN EN 1296 | DIN EN 1109 or DIN EN 1110 | °C °C | unverifiable result unverifiable result |
| Adhesion of granules | DIN EN 12039 | % | - |
| Water vapour transmission properties | DIN EN 1931 | - | - |

Customer Information:

Purpose:

SK Bit 105® PV root protection membrane is the top sealing layer and as such a reliable root protection on an intensive or extensive green flat roof. The sheet – with polyester fleece reinforcement – possesses polymer bitumen covering layers with root resisting additives. The 4 year lasting tests were passed according to the FLL standards at the Botanic Institute Hamburg. Test certificates are available on request.

Application:

The processing of **SK Bit 105® PV root protection membrane** is carried out in accordance with DIN 18531, the valid "Regulations for roofs with sealant – flat roof regulations" and the "abc of bitumen membranes" as well as DIN 18533.

The whole membrane is torched-on using a surface heating method with a minimum of 8 cm side and 10 cm end laps. The density of the joint connection has to be tested!

Loose laying or mechanical fixing of the membrane as well as spots or stripes of melting/adhesion on the surface as well as melting/adhesion of the joint overlap can cause corrugation if the outside temperatures and/or surface temperatures are low.

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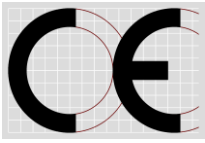
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Advice:

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

Chemical resistance:

SK Bit 105[®] PV root protection membrane is resistant to water and watery solutions of salt as well as diluted, non oxidising acids and bases. Aliphatic and aromatic hydrocarbons as well as chlorine hydrocarbons, oils and greases loosen the **SK Bit 105[®] PV root protection membrane**.

Storage:

Store upright in a cool and dry place.

Safety data sheet:

Supplementary safety data sheet is available on request.

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