

Product name: **SK Bit 105® PV Wurzelschutz (Root Protection Membrane)**
Polymer bitumen torch-on membrane

Product code: 11642

Product standard: EN 13707
EN 13969

Roll dimensions: 5.00 x 1.00 m

Protective coating:
upper side Slate
bottom side Film

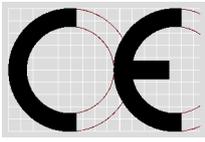
Reinforcement: Polyester fleece

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

Product use: SK Bit 105® PV Wurzelschutz (root protection membrane) is the top sealing layer and as such a reliable root protection on an intensive or extensive green flat roof. The membrane – 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.

Properties	Test method	Unit	Declared performance
Visible defects	EN 1850-1	-	no visible defects
Length	EN 1848-1	m	≥ 5.00
Width	EN 1848-1	m	≥ 1.00
Straightness	EN 1848-1	mm/10 m	≤ 20
Mass per unit area	EN 1849-1	kg/m ²	unverifiable result
Thickness	EN 1849-1	mm	≥ 5.20
Water tightness at 200 kPa	EN 1928 Method B	-	passed
Tensile properties: maximum tensile force	EN 12311-1	N	1200 / 1000 (± 10%)
Tensile properties: elongation	EN 12311-1	%	40/45 (± 5 abs)



Properties	Test method	Unit	Declared performance
Flexibility at low temperatures	EN 1109	°C	≤ - 25
Flow resistance at elevated temperatures	EN 12311-1	°C	≥ +115
Reaction to fire	EN 11925-2	-	Class E according to DIN EN 13501-1
Resistance to root penetration	EN 13948	-	root resistance
External fire performance	CEN/TS 1187	-	Broof (t1), (t4) (see tested system)

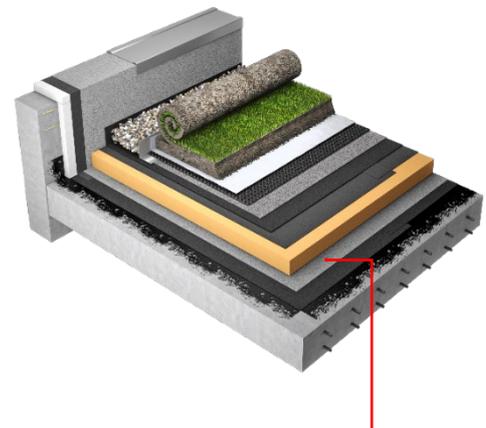
Features & benefits:

- High performance waterproofing membrane
- Torch-on application
- Resists the growth of roots from plants
- SBS modified bitumen

Application overview:

SK BIT 105 PV Wurzelschutz (ROOT PROTECTION) should be installed in accordance with manufacturer recommendations and all relevant national standards and codes of practice, including BS 8217: 2005 – the code of practice for reinforced bitumen membranes for roofing.

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!

**SK BIT 105 PV**

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. 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 Wurzelschutz (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, dry place and protect from direct sunlight.

Health & safety:

Health and Safety should be observed at all times in accordance with HSE and industry guidance. Specific Risk Assessments and Method Statements should be produced by contractors where necessary to ensure Working at Heights, Fire Safety and Manual Handling rules are compliant with current law and regulations. Health and safety data sheets are available for all materials on request from GEORG BÖRNER Technical Service Department.

Certification number:

1724 - CPR - 041101

1724 - CPR - 041201