

Villaself SK-PLUS

The Product **Villaself SK-Plus** is a self adhesive SBS-modified bitumen vapour barrier with an aluminium compound carrier. The top can be activated by heat, thus insulation boards of polystyrene and polyurethane can be applied efficiently. Production and the factory production control-system are certified according to EN ISO 9001.

Product benefits

- „ vapour tight and air tight
- „ self adhesive at + 5°C and more
- „ reliable side lap connection because of removable protection stripes
- „ step on resistant
- „ ideal bonding conditions for polystyrene-, mineral wool- and polyurethane boards

Field of Application **Villaself SK-Plus** is used as a vapour barrier on profiled metal decks. (According to the rules and regulations for flat roofing" of the ZVDH or the "ABC of bitumen membranes" from the VDD) .

Application Method **Villaself SK-Plus** sticks to the metal deck by removing the siliconised film from the bottom. End- and side laps should be at least 8 cm wide. Side laps are to be on top of the profile. Head joints are to be torched for limited water proofing (over night work interruption, etc.).Corners at T - joints are to be cut at an angle of ~ 45°. Possible steps created by T - joints are to be filled with **Villaplast**.The bonding of the polystyrene - or polyurethane boards has to be done immediately after torching off the foil on top of the membrane. Simply laying of boards into the hot bitumen. In order to apply boards of mineral wool, the bitumen on top of the membrane has to be liquified for excellent adhesiveness to the top of the board.

Technical Data

Thickness	[mm]		2,4
Dimensions	[m]		1,00 x 12,50
Bottom side			self adhesive SBS-modified bitumen,removable film
Reinforcement			step resistant aluminium compound carrier
Top side			self adhesive SBS-modified bitumen torch foil removable side stripes
Flexibility at low temperature Temperature resistance	[°C]		- 30 + 100
Thickness of vapour diffusion- equivalent air layer $S_d = \mu \cdot s$	[m]		> 1500
Maximum tensile force Elongation at. tensile force	[N / 5 cm] [%]	(l / q) (l / q)	400 / 400 3 / 3
Tested according DIN 52123			
<small>Above figures are nominal figures, depending on statistic fluctuations. Technical modifications reserved. It is responsible to the user to check the suitability of the product in case of application and to make sure to be in possession of final release of the data sheet. Villaself SK-PLUS Export R001 update status: Apr. 2003 - her</small>			

Storage

The rolls have to be stored vertically and protected against moisture and extreme heat. Before application in cold seasons, store at least 12 hours free from frost!