

**EVALON<sup>®</sup> VSK**  
Waterproofing  
Membrane



# EVALON® VSK

## Safe and secure in all applications

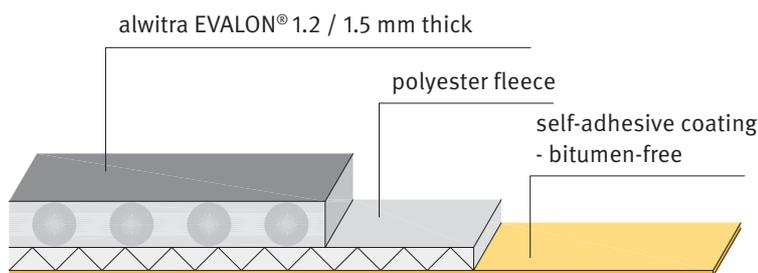
**The fleece-backed synthetic membrane with bitumen-free self-adhesive coating**

- **with self-adhesive underside coating**  
bitumen-free and solvent-free
- **optimal vapour pressure compensation function of the polyester fleece-backing**
- **allows diffusion - even with self-adhesive coating**
- **high adhesive strength**  
self-adhesive coating  
adheres to many standard building substrates
- **efficient laying**  
no adhesive to be applied - fast and safe
- **ideal also for steep slope roof areas (e. g. shed or arched roofs)**  
time-saving and clean laying
- **white and light-coloured VSK membranes**  
heat-reflecting
- **no fire hazard**  
cold bonded application without open flame

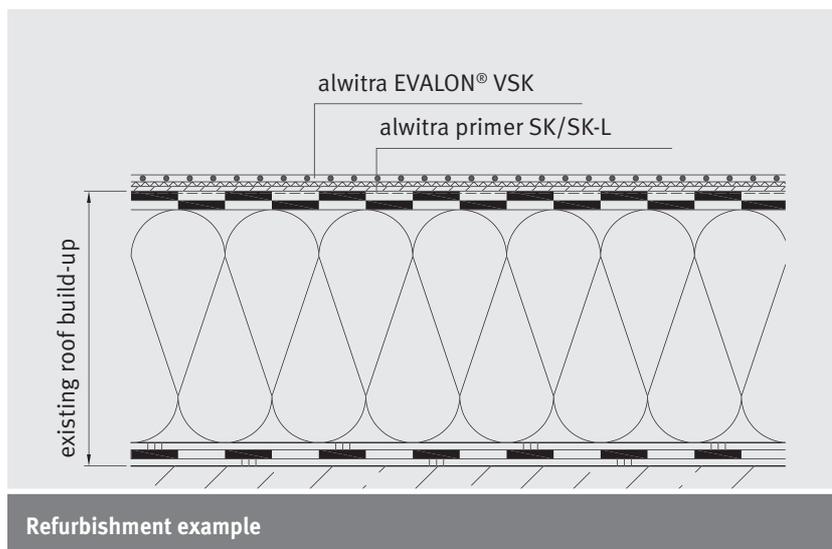
# EVALON® VSK

## Safe and secure in all applications

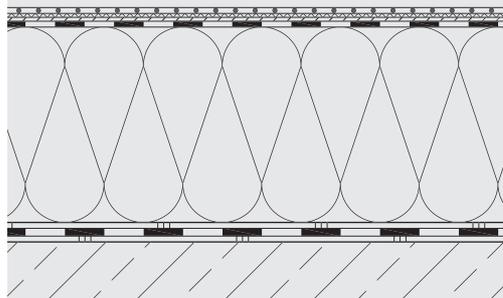
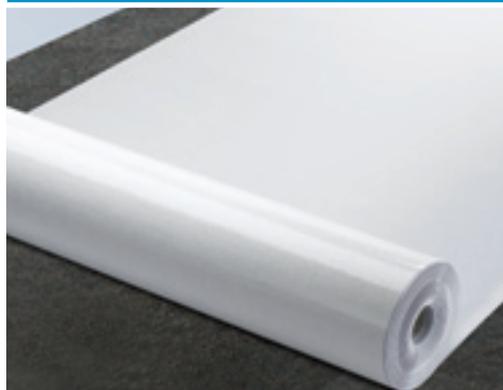
**EVALON® VSK** membranes are based on our long-term proven alwitra roofing system. The waterproofing membrane has both a polyester fleece-backing and a synthetic adhesive compound coating. After laying, the fleece-backing also reduces stress and strain on the system (vapour decomposition, movement compensation, etc.). The coating is bitumen-free and solvent-free and covered with a protective film when delivered. Product and system audits are carried out according to the requirements of the European Standards DIN EN 13956 and DIN EN 13967 and provide the basis for the entitlement to CE marking.



**EVALON® VSK** membranes are 1.05 m wide and produced with a non-coated welding edge on one side. Thus, a homogeneous welding in the seam area is guaranteed.



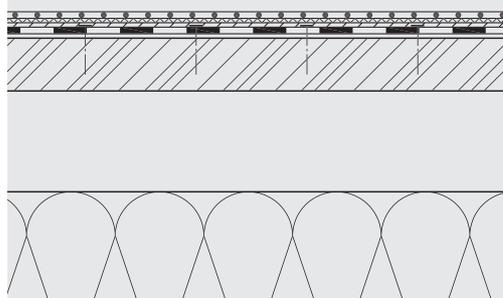
### Fields of application



### Non-ventilated roofs

#### Application

Waterproofing of roofs and/or buildings with bonded laying - without additional application of adhesives and without open flame. The underside coating of the **EVALON® VSK** adheres to many standard building substrates, e. g. bituminous membranes, concrete.



### Ventilated (two layer) roofs



Fig. 1: precoating with alwitra primer



Fig. 2: peeling off the protective film



Fig. 3: pulling the protective film to one side and pressing on, preventing any blisters



Fig. 4: welding the membrane with the alwitra solvent welding machine



Fig. 5: welding with the hot air welding machine

### Efficient bonding without fire hazard

Depending on the condition of the substrate, precoating with alwitra primer SK/SK-L is required (fig. 1).

After unrolling and aligning the membranes, peel off 80 to 100 cm of the protective film from one end of the membrane (fig. 2).

Bond the membrane end to the substrate, pull the protective film to one side from underneath the membrane, and at the same time press on the membrane with a broom over the whole width to prevent any blisters (fig. 3).

Heat-weld the overlapping longitudinal edge homogeneously and form the butt joints (fig. 4 + 5).

In combination with self-adhesive EVALON® VSKA tapes, flashings are also perfectly sealed without the need for the additional application of adhesives: windproof, economic and safe

**Additionally, the general installation manual for EVALON® waterproofing membranes must be observed.**

## Technical data

### EVALON® VSK waterproofing membranes, self-adhesive

Excerpt Tests according to DIN EN 13956 and 13967			
Property	Testing method	Unit	Result <sup>a</sup>
Visible defects	EN 1850-2		passed
Effective thickness ( $e_{eff}$ ) of the sealing layer	EN 1849-2	mm	1.2/1.5
External fire performance	ENV 1187 DIN 4102-7		class B <sub>ROOF</sub> (t1) or according to General Building Construction Supervision Test Certificates <sup>b</sup>
Reaction to fire	EN 13501-1		class E
Water tightness	EN 1928 method B	kPa	≥ 400
Joint peel resistance	EN 12316-2	N/50 mm	≥ 80
Joint shear resistance	EN 12317-2	N/50 mm	≥ 200
Max. tensile force	EN 12311-2	N/50 mm	≥ 500
Elongation at max. tensile force	EN 12311-2	%	≥ 60
Resistance to impact load <sup>c</sup>	EN 12691 method A	mm	≥ 300
Resistance to static load <sup>c</sup>	EN 12730 method B	kg	≥ 20
Tear resistance	EN 12310-2	N	≥ 80
Dimensional stability	EN 1107-2	%	≤ 1
Foldability at low temperatures	EN 495-5	°C	≤ -25
UV exposure <sup>c</sup>	EN 1297	visual control	passed
Hail resistance <sup>c</sup>	EN 13583	m/s	≥ 30
Water vapour permeability <sup>d</sup>	EN 1931	μ	approx. 20,000
Bitumen compatibility <sup>c</sup>	EN 1548		passed
Resistance to root penetration <sup>d</sup>	EN 13948		passed

#### Applicator information

<sup>a</sup> Minimum requirements without specified tolerances.

<sup>b</sup> Applies to the respective tested build-up.

<sup>c</sup> Homogeneous sealing layer identical with the product EVALON®

<sup>d</sup> Waterproofing layer and seam weld identical with the product EVALON®

The technical data comply with the status as at January 2009.  
Normal tolerances apply.

#### EVALON® VSK

Synthetic waterproofing membrane with polyester fleece-backing and bitumen-free and solvent-free self-adhesive coating.

#### EVALON® VSK

The waterproofing with reliable and efficient self-adhesive technique

- optimal vapour pressure compensation function of the polyester fleece-backing
- ideal also for steep slope roof areas
- no fire hazard - bonded without open flame

#### Supply specification EVALON® VSK membranes

<b>Thickness (mm)</b> (without backing and self-adhesive coating)	1.2	1.5
<b>Width (m)</b>	1.05	1.05
<b>Length (m)</b>	25 <sup>1</sup>	25
<b>Standard colours</b>	white, light grey	white, light grey
<b>Special colours</b>	on request <sup>2</sup>	on request <sup>2</sup>

<sup>1</sup>Special lengths on request.

<sup>2</sup>slate grey/green/brick red/brown/black/olive

#### Specification alwitra primer

	alwitra primer SK	alwitra primer SK-L
<b>Base</b>	solvent-free emulsion, bitumen-free	SBS rubber, solvent-containing
<b>Consistency</b>	liquid, rollable and brushable	liquid, rollable and brushable
<b>Colour</b>	blue	red
<b>Installation temperature</b>	min. + 5 °C	min. + 5 °C
<b>Containers</b>	10l/25l	10l/25l