

## Evalon<sup>®</sup> V

Superior Single-Ply Waterproofing



25 Year  
Guarantee



50 Year  
Service Life



BBA  
Accredited



BREEAM  
Accredited

- ✓ Bitumen-free & solvent-free
- ✓ UV Stable
- ✓ Root-resistant
- ✓ Fire load five times lower than a built-up felt roof
- ✓ Quick and easy to install
- ✓ Bitumen compatible
- ✓ Superior heat reflection
- ✓ Suitable for any roof geometry
- ✓ Approved for Green Roofs (Roof-Resistant)
- ✓ Available in a range of colours

<b>PRODUCT NAME:</b>	EVALON <sup>®</sup> V EVA - synthetic roofing membrane according to EN 13956
<b>MANUFACTURER/ DISTRIBUTOR:</b>	alwitra <sup>®</sup> GmbH & Co. Klaus Göbel Am Forst 1 D – 54296 Trier
<b>PLACE OF PRODUCTION:</b>	Factory Hermeskeil
<b>KIND OF INSTALLATION:</b>	As waterproofing of non-used flat and pitched roofs. Manufacturer's installation instruction must be strictly observed.
<b>FPC CERTIFICATE NO:</b>	1343 - BPR - 06-1432
<b>FPC ISSUE OF CERTIFICATION:</b>	06
<b>EUROPEAN STANDARD:</b>	EN 13956
<b>PRODUCT DESCRIPTION:</b>	Bitumen compatible EVA-roofing membrane, with effective homogeneous sealing thicknesses (1,2 mm / 1,5 mm) and polyester fleece-backing, produced in different colours.
<b>STANDARD MEMBRANE DIMENSIONS:</b>	Length: 25m Widths: 1,05m, 1,55m, 2,05m Thicknesses: 1,2mm / 1,5mm sealing thickness + backing, further thicknesses on request

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PROPERTY	TESTING METHOD	UNIT (LIMIT DEVIATION)	VALUE	RESULTS
External fire performance <sup>a</sup>	ENV 1187 DIN 4102-7		Passed	class BROOF (t1) + (t3) + (t4) <sup>b</sup>
Reaction to fire	EN 13501-1		class E	EN 13501-1
Water tightness	EN 1928 method B	kPa	≥ 400	MLV
Joint peel resistance	EN 12316-2	N/50 mm	≥ 150 <sup>c</sup>	MLV
Joint shear resistance	EN 12317-2	N/50 mm	≥ 400 <sup>c</sup>	MLV
Max. tensile force	EN 12311-2	N/50 mm	≥ 500	MLV
Elongation at max.tensile force	EN 12311-2	%	≥ 60	MLV
Resistance to impact load	EN 12691 method A	mm	≥ 300	MLV
Resistance to static load	EN 12730 method B	kg	≥ 20	MLV
Tear resistance	EN 12310-1	N	≥ 300	MLV
	EN 12310-2	N	≥ 150	
Dimensional stability	EN 1107-2	%	≤ 1	MLV
Low temperature flexibility	EN 495-5	°C	≤ -30	MLV
UV exposure	EN 1297	visual control		passed
Hail resistance	EN 13583	m/s	≥ 30	MLV
Water vapour permeability	EN 1931	μ (± 30%)	+/- 20.000	MDV
Bitumen compability	EN 1548 method (b)			passed
Durability (UV exposure, high temperatures and water)	EN 1297	visual control		passed
Liquid chemicals, including water	on request			
Resistance to root penetration <sup>d</sup>	EN 13948			passed

### INFORMATION FOR THE USER

a. Tested according to DIN 4102-7 or ENV 1187-1 with different layer impacts. Therewith the requirement is fulfilled in Germany.

b. Valid for the respective tested build-up

c. Hot air welding

MLV = manufacturer's limiting value

MDV= manufacturer's declared value

Disclaimer: The preceding information, in particular the recommendations for the handling and use of our products, are based on our knowl-edge and experience in normal cases, providing that the products have been properly stored and used. Owing to different materials, subsur-faces and differing working conditions, we cannot guarantee a specific result or accept liability, irrespective of the legal position, substantiated neither by this information nor by verbal advice, unless we can be shown to be guilty of wilful intent or gross negligence. In this event, the user has to provide evidence that he has provided in writing all the notices required by alwitra for a proper and positive assessment to alwitra in good time and in full relating to this assessment. The user has to check the products for their suitability for the intended application. We re-serve the right to make modifications to the product specification without notice. The trademark rights of third parties should be observed. In all other respects our general terms and conditions of business apply. The most recent local product datasheet also applies, which should be requested from us.

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