

VAEPLAN® V

Manufacturer:

VAEPLAN is certified ISO 9001 since 1999.

Application:

Multifunctional waterproofing for flat and inclined roofs. The application instructions for this product are available separately and must always be observed.

- > Bonded with contact adhesive.
- > Bonded with PU-adhesive
- > Loose laid in case of ballasted roofs and green roofs
- > Mechanically fastened

European standard:

EN 13956 (Flexible sheet for waterproofing. Plastic and rubber sheets for roof waterproofing)

Description:

A high-polymer, thermoplastic bitumen compatible VAE waterproofing membrane, lined with a protection layer in laminated, synthetic polyester fleece.

Standard colours:

Light grey, white. Other colours on request.

Presentation:

Length: 15,0 m – 25,0 m
 Width: 1,04 m – 1,54 m
 Width precut strips: 0,34 m – 0,54 m – 0,74 m
 Thickness: 1,20 mm [°] (2,50 mm [*])
 1,50 mm [°] (2,80 mm [*])
 Weight: 1,50 kg/m² [°] + fleece
 1,87 kg/m² [°] + fleece

[°] thickness/weight membrane – [*] total thickness



Ecological



Fire resistant



pH-neutral



Anti-tearing



0800 CPR 14125



Property	Test method	Unit-Class.	Value	Result
Watertightness, method B	EN 1928	kPa / 72h	≥ 400	passed
External fire performance	CEN/TS 1187	EN 13501-5	B _{ROOF} (t1)*	passed
Reaction to fire	EN ISO 11925-2	EN 13501-1	Class E	passed
Hail resistance	EN 13583	m/s	≥ 30	MLV
Lamination strength : peel resistance	EN 12316-2	N/50 mm	≥ 150	MLV
Lamination strength : shear resistance	EN 12317-2	N/50 mm	≥ 600	MLV
Vapour diffusion resistance	EN 1931	μ	14000	MDV
Tensile strength	EN 12311-2	N/50 mm	≥ 650	MLV
Elongation at break	EN 12311-2	%	≥ 250	MLV
Dynamic resistance to impact	EN 12691 (A)	mm	≥ 300	MLV
Resistance to static perforation	EN 12730 (B)	kg	≥ 20	MLV
Tear strength	EN 12310-2	N	≥ 200	MLV
Resistance to root penetration	Test FLL			passed
Dimensional stability	EN 1107-2	%	≤ 0,5	MLV
Cold bending temperature	EN 495-5	°C	≤ - 35	MLV
UV resistance	EN 1297		Class 0	passed
Bitumen compatibility	EN 1548			passed
Specific characteristics of the white version of VAEPLAN V				
SRI (Solar Reflectance Index)	ASTM 1980		101	
Reflectivity	ASTM C-1549	%	81	
Emissivity	ASTM C-1371	%	91	

* In the tested configurations.

MLV: Manufacturer Limited Value / MDV: Manufacturer Determined Value

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