

VEDAFOL[®] F 12**Manufacturer**

VEDAG GmbH
Flinschstr. 10-16
D-60388 Frankfurt

Factories:

Geisfelder Straße 85-91, D-96050 Bamberg
Huttenheimer Straße 31, D-76661 Philippsburg-Rheinsheim
Zaluzi 1, CZ-43670 Litvinov

VEDAG GmbH has been certified to EN ISO 9001 since 1995. The certificates for the manufacturing inspection to DIN EN 13707 and DIN EN 13969 were established in October 2005 and February 2006:

Certificate of VEDAG GmbH:

- by EN ISO 9001 since 1995

Certificate of Factory Production Control

- Bituminous membranes by DIN EN 13707 and DIN EN 13969 (0958-CPD-DK001/1, DK002/1, DK003/1, DK004/1, DK006/1, DK007/1)
- Synthetic membranes by DIN EN 13956 (FPO: 1349 - CPD - 038, POCB: 0958 -CPD - DK036/1, PVC: 0958 - CPD-DK034).

Description of the product

VEDAFOL[®] F 12 is a multilayered synthetic roofing membrane based on PVC-P with reinforcement inside for single-ply roof insulations in highest quality by DIN EN 13956 and DIN V 20000-201 with technical values higher than the standards.

Topside	UV-stabilized, smooth, standard colour grey (other colours on request)
Coatings	PVC-P, not bitumen-compatible
Carrier	Diagonal reinforced Polyester fabric > 80 g/m ² , non wick coated
Bottom side	smooth

Product benefits:

- High mechanical and thermal resistance E1 by DIN 18531-2 and DIN V 20000-201
- Dimensional stable
- Highly resistant to tearing, tear propagation and nail shank
- High ageing resistance, well proven since 40years.
- Rational application because of 20 m roll length and up till 2,12 width
- Fulfils the regulation of the european standards and fire protection regulations, classification Broof (t1) "hard roof" on EPS (with 120 g/m² raw glass fleece as separation layer) and on mineral wool.

Field of application

VEDAFOL[®] F 12 is used as single-ply mechanically fixed roof insulation.

Method of application

VEDAFOL[®] F 12 will be applied with mechanical fixings according to the wind load calculation with step on resistant fasteners on the edge of the seam. Longitudinal and cross seams will be welded min. 2 cm wide with hot air or min. 3 cm wide with THF solvent welding and must be pressed on with the pressure roll. T-joints must be cut in an 45° angle. To avoid capillary the bottom membrane edge must be chamfered (with hot air or edge plane).

Storage

VEDAFOL[®] F 12 must be stored protected from moisture and heat. During the cold seasons the rolls must be brought to the site from a frost protected storage place directly before use.

Disposal

VEDAFOL[®] - synthetic membranes and other site waste (European Waste Catalogue EWC-No. 17 02 03 "plastics") can be thermally recycled without any harm for the environment.

Additional Advice

The regulations of the Employer's Liability Insurance Association must be adhered.

VEDAFOL[®] F 12

0958

Characteristic	Test method/ classification	Units	Value or statement
5.2.1 Visible defects	DIN EN 1850-2	-	No defects
5.2.2 Length	DIN EN 1848-2	m	20 (-0 %/+5 %)
5.2.2 Width	DIN EN 1848-2	m	0,75 / 1,06 / 1,50 / 2,12 (-0,5 % / +1,0 %)
5.2.2 Straightness	DIN EN 1848-2	mm / m	≤ 50 fulfilled
5.2.2 Flatness	DIN EN 1848-2	mm	≤ 10 fulfilled
5.2.2 Mass per unit area	DIN EN 1849-2	kg/m ²	1,575 (-5 % / +10 %)
5.2.2 Effective thickness	DIN EN 1849-2	mm	1,2 (-5 % / +10 %)
5.2.3 Watertightness	DIN EN 1928 procedure B	kPa	≥ 400 (72 hours)
5.2.5.1 External fire performance	DIN V ENV 1187/EN 13501-5	-	B _{roof} (t1)*
5.2.5.2 Reaction to fire	EN ISO 11925-2/EN 13501-1	-	Classification E
5.2.6 Hail resistance	DIN EN 13583 on EPS DIN EN 13583 on Steel	m/s	≥ 50 ≥ 23
5.2.7 Peel resistance of joint long./trans.	DIN EN 12316-2	N/50mm	≥ 185
5.2.7 Shear resistance of joint long./trans.	DIN EN 12317-2	N/50mm	≥ 1150
5.2.8 Water vapour properties	DIN EN 1931	-	μ = ca. 22.000
5.2.9 Tensile strength	DIN EN 12311-2	N/50mm	≥ 1150 / 1150
5.2.9 Elongation at max Tensile force	DIN EN 12311-2	%	≥ 15/15
5.2.10 Resistance to impact	DIN EN 12691 Procedure B DIN EN 12691 Procedure A	mm	≥ 2000 ≥ 800
5.2.11 Resistance to static loading	DIN EN 12730	kg	≥ 20
5.2.12 Tear resistance long./trans.	DIN EN 12310-2	N	≥ 200
5.2.13 Resistance to root penetration	DIN EN 13948	-	n.e.e.**
5.2.14 Dimensional stability l / t	DIN EN 1107-2	%	≤ 0,5
5.2.15 Foldability at low temperature	DIN EN 495-5	°C	≤ -35
5.2.16 Artificial ageing 1000 h	DIN EN 1297	-	Classification 0
5.2.17 Resistance to ozone	DIN EN 1844	-	n.e.e.**
5.2.18 Exposure to bitumen	E DIN EN 1548	-	n.e.e.**

The numerical values are nominal values, which are subject to statistical fluctuations. The right is reserved to make technical alterations. It is a matter for the user to assess the suitability of the product to the property concerned and to ensure, that he has access to the current version of the data sheet.
e_ti-en_vedafol_f_12_r001

* tested in the system
** no effort established