

Wolfin GWSK

WOLFIN GWSK WITH PROTECT EQUIPMENT IS A HIGH-POLYMER, BITUMEN-COMPATIBLE SYNTHETIC ROOFING AND WATER-PROOFING MEMBRANE WITH INTEGRATED SPECIAL GLASS FLEECE AND COLD-BONDING SELF-ADHESIVE LAYER. THE MEMBRANE IS PRODUCED BY EXTRUSION METHOD.

TYPES AND APPLICATION AREAS

Wolfin GWSK	With special glass fleece in the middle and self-adhesive layer, entirely homogeneous (no different top, middle and under layer)
Membrane width	1,100 mm / 1,620 mm
Nominal thickness	2,3 mm (2,8 mm on request)
Colour	Black, grey
New buildings and refurbishments	<ul style="list-style-type: none"> Fully bonded



Wolfin GWSK DA is certified, approved and classified according to

- EN 13956 CE Waterproofing of Roofs
- EN 13967 CE Waterproofing of Buildings
- Fulfils all German requirements (DIN standards) for waterproofing of roofs
- Fulfils UK requirements according to BBA (certificate 14/5143)

- EN 13501-1 (Class E)
- CEN/TS 1187
- EN 13501-5 B_{Roof}(t1) + B_{Roof}(t4)

Characteristics of Wolfin GWSK

- Content of high polymer substances more than 94%
- Reinforced with integrated special glass fleece
- Equipped with self-adhesive layer ex-works
- More than 55 years of practical experience with Wolfin membranes
- More than 35 years of practical experience with adhesive
- More than 25 years of practical experience with Wolfin membranes with self-adhesive layer
- Permeable to water vapour diffusion
- My-value $\leq 25,000$ (+/- 7,500) incl. self-adhesive layer
- Dry-out process of wet roof structures is proven by the Fraunhofer Institut Holzkirchen
- Ozone and UV resistant
- Free of toxic heavy metals
- Fulfils DIN 4102, T 7 (Flying sparks and radiant heat) directly on EPS insulation material at all roof slopes
- Free of flame retardants
- Suitable for hot-air and solvent welding throughout its lifetime
- Unique chemical resistance :
 - Resistant to bitumen, flux oils, mineral oils, fatty acid, kerosene
 - Proof of the resistance to sulphurous acid and lactic acid (85%)
 - Further resistances according to WHG (German water resources act) media group 3
- Chemical resistance to all insulation material
- Resistant to plant roots and rhizome according to FLL test method
- Limitation of the ingress of water by the ex-works self-adhesive layer

System parts and accessories

- Self-adhesive membrane strips
- Internal and external corners
- Coated metal sheets (plates/coils)
- Wolfin primer and Wolfin special primer
- Stainless-steel drainage and ventilation elements
- Lightning protection and fastening elements
- System adhesives (Teroson AD 914, Teroson AD Adhesive Spray)

BMI

WOLFIN

TECHNICAL DATA

Product information according to
EN 13956

- Exposed application (bonded)
- Under ballast (gravel, green roof, traffic areas or similar ...)

EN 13967

- Damp-proof sheets
- Basement tanking sheets

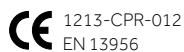
Characteristic	Testing standard	Unit	Details	Result* 2.3 mm	Result* 2.8 mm
Visible defects	EN 1850-2	-	passed	passed	passed
Length	EN 1848-2	m	MDV	15 / 10	10 / 10
Width	EN 1848-2	m	MDV	1,10 / 1,62	1,10 / 1,62
Straightness	EN 1848-2	mm	MLV	≤ 50	≤ 50
Flatness	EN 1848-2	mm	MLV	≤ 10	≤ 10
Mass per unit area	EN 1849-2	kg/m ²	MDV	2,7	3,3
Effective thickness	EN 1849-2	mm	MDV	1,5	2,0
Watertightness	EN 1928 Method B	kPa	MLV	passed	passed
External fire performance	CEN/TS 1187	-	-	B _{Roof} (t1)	
Reaction to fire	EN 13501-1	-	-	Class E	Class E
Joint peel resistance	EN 12316-2	N/50 mm	MLV	NPD	NPD
Joint shear resistance	EN 12317-2	N/50 mm	MLV	≥ 600	≥ 600
Tensile strength longitudinal and transversal	EN 12311-2	N/50 mm	MLV	≥ 10	≥ 10
Elongation longitudinal and transversal	EN 12311-2	%	MLV	≥ 200	≥ 200
Resistance to impact Method A	EN 12691	mm	MLV	≥ 600	≥ 750
Method B	EN 12691	mm	MLV	≥ 600	≥ 750
Resistance to static load	EN 12730 Method A	kg	MLV	≥ 20	≥ 20
Durability of watertightness against ageing	EN 1296 EN 1928	-	passed	passed	passed
Durability of watertightness against chemicals	EN 1847 EN 1928	-	passed	passed	passed
Resistance to nail tear	EN 12310-1	N	MLV	≥ 350	≥ 350
Tear resistance longitudinal and transversal	EN 12310-2	N	MLV	≥ 150	≥ 150
Resistance to root penetration	EN 13948	-	passed	passed	passed
Dimensional stability longitudinal and transversal	EN 1107-2	%	MLV	≤ 0,5	≤ 0,5
Foldability at low temperature	EN 495-5	°C	MLV	≤ -20	≤ -20
UV exposure	EN 1297	visual	passed	passed	passed
Hail resistance	EN 13583	m/s	MLV	≥ 25	≥ 25
Water vapour permeability	EN 1931	μ	MDV	25.000 ± 7.500	25.000 ± 7.500
Bitumen compatibility	EN 1548	-	passed	passed	passed

MDV = manufacturer's declared value

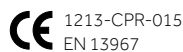
MLV = manufacturer's limiting value

* Values in new condition

Date: 01.2020. This technical data sheet was produced according to the latest technical knowledge and standards. Technical changes due to further developments are possible.



1213-CPR-012
EN 13956



1213-CPR-015
EN 13967

You can find the declarations of performance on our website www.bmigroup.com/de/ / Downloads.

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