

Wolfin GWSK DA

WOLFEN GWSK DA IS A HIGH-POLYMER, BITUMEN-COMPATIBLE SYNTHETIC ROOFING AND WATERPROOFING MEMBRANE WHICH IS EQUIPPED WITH A SPECIAL FLEECE IN THE MIDDLE AND A COLD-BONDING SELF-ADHESIVE LAYER APPLIED STRIP-WISE AS VAPOUR PRESSURE EQUALISING LAYER. THE MEMBRANE IS PRODUCED BY EXTRUSION METHOD.

TYPES AND APPLICATION AREAS

Wolfen GWSK DA	With special glass fleece in the middle and cold-bonding self-adhesive layer, entirely homogenous (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	
New buildings and refurbishments	<ul style="list-style-type: none"> Fully bonded 	
Wolfen GWSK DA is certified, approved and classified according to	<ul style="list-style-type: none"> EN 13956 CE Waterproofing of Roofs Fulfils all German requirements (DIN standards) for waterproofing of roofs 	<ul style="list-style-type: none"> EN 13501-1 (Class E) CEN/TS 1187 EN 13501-5 B_{Roof}(t1)
Characteristics of Wolfen GWSK DA	<ul style="list-style-type: none"> Content of high polymer materials more than 94% With a special glass fleece reinforcement With strip-wise cold-bonding self-adhesive layer as vapour pressure equalising layer ex-works More than 55 years of practical experience with Wolfen membranes More than 35 years of practical experience with adhesive More than 25 years of practical experience with Wolfen membranes with self-adhesive layer Permeable to water vapour diffusion My-value $\leq 17,000$ (+/- 5,000) incl. self-adhesive layer Free of toxic heavy metals 	<ul style="list-style-type: none"> Dry-out process of wet roof structures is proven by the Fraunhofer Institut Holzkirchen Free of flame retardants Suitable for hot-air and solvent welding throughout its lifetime Unique chemical resistance : <ul style="list-style-type: none"> 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 (Water Resources Law) Media Group 3 Chemical resistance to all insulation material Resistant to plant roots and rhizome according to FLL test method
System parts and accessories	<ul style="list-style-type: none"> Self-adhesive membrane strips Internal and external corners Homogeneous material (Wolfen IB) Coated metal sheets (plates/coils) Wolfen primer 	<ul style="list-style-type: none"> Stainless-steel drainage and ventilation elements Lightning protection elements System adhesives (Teroson AD 914, Teroson AD Adhesive Spray)



TECHNICAL DATA

Product information according to
EN 13956

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

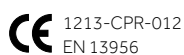
Characteristic	Testing standard	Unit	Details	Result* 2.3 mm	Result* 2.8 mm
Visible defects	EN 1850-2	-	passed	passed	passed
Length	EN 1848-2	m	MDV	15 / 10	10 / 10
Width	EN 1848-2	m	MDV	1,10 / 1,62	1,10 / 1,62
Straightness	EN 1848-2	mm	MLV	≤ 50	≤ 50
Flatness	EN 1848-2	mm	MLV	≤ 10	≤ 10
Mass per unit area	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
Nail tear resistance	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	17,000 ± 5,000	
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.



Technical support

You can find the declarations of performance
on our website www.bmgigroup.com/d/Downloads.

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