



Technical Information

WOLFIN® GWSK with Protect Equipment

WOLFIN Roof- and Waterproofing Membranes are soft plasticized extruded thermoplastic membranes. Since 1962 they have been applied in Building Construction and Civil Engineering as well as for foundations, ponds- and kitchen sealing (DIN 18195).

Approvals according DIN 16726 and UEATc guideline, Requirements fulfilled to DIN 18531 (Dachabdichtungen) DIN 18195 (Bauwerksabdichtung), DIN V 20000-201 and DIN V 20000-202 plus CE-marking according EN 13956 and EN 13967, testing's according DIN 4102-1 (B2) and EN 13501-1 (E) as well as DIN 4102-7 (harte Bedachung) and DIN ENV 1187 / prEN 13501-5 (BROOF (t1) without a fire protection layer between polystyrene thermo insulation and WOLFIN GWSK membrane.

Henkel AG&Co KGaA, has been certified in compliance with DIN EN ISO 9001 and DIN EN ISO 14001.

WOLFIN® means:

<ul style="list-style-type: none"> • bitumen compatible • homogene hot air- and cold weldable • suitable for all insulation materials • free of toxic heavy metals • diffusion open • root resistant acc. to FLL • mineral oil resistant 	<ul style="list-style-type: none"> • WOLFIN means equal physical properties through the whole membrane thickness • ozone- and UV-stable • almost acid- and alkaline resistant • cold resilience till – 45°C (AIB bending test) • long proved duration (>30 years) • suitable for recycling
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Membrane Type and Application Fields:

WOLFIN® GWSK	with a special inner layer of glass fleece and self adhesive layer acc. to EN 13956 and to EN 13967 (PVC-P-BV)		
membrane width:	1100 mm	length: 20 m	area: 22,0 m ²
nominal thickness:	2,3 mm / 2,8 mm		
new building + refurbishment:	adhered construction		

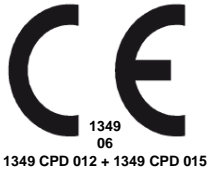
Colour: black, grey, further colours upon request

System parts etc.

<ul style="list-style-type: none"> • inner- and outer corners • sky light kerb corners • coated metal sheets • special profile systems 	<ul style="list-style-type: none"> • stainless steel drain- and vent element • stainless steel overflows etc. • lightning protection elements • adhesion systems
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This technical data sheet was produced according to the latest technical knowledge and standards of Henkel AG & Co. KGaA, Bautechnik Deutschland, WOLFIN, Am Rosengarten 5, D-63607 Wächtersbach. Technical changes due to further developments are possible.



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Produktdaten gem. DIN EN 13956
freiliegender Verlegung (verklebt)
exposed application (fully adhered)
unter Auflast (Kies/Begrünung/Verkehrsflächen o.ä.)
covered application (gravel, greenroof)

und **Produktdaten gem. DIN EN 13967**
Feuchtigkeitssperre *damp proof sheets*
Grundwassersperre *basement tanking*

Eigenschaft	Prüfnorm	Einheit	Angaben	Ergebnis **	
				2,3 mm	2,8 mm
Außere Beschaffenheit <i>Visible defects</i>	DIN EN 1850-2	-	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>
Länge <i>Length</i>	DIN EN 1848-2	m	MDV	15 / 10	10 / 10
Breite <i>Width</i>		m	MDV	1,1/1,62	1,1/1,62
Geradheit <i>Straightness</i>		mm	MLV	≤ 50	≤ 50
Planlage <i>Flatness</i>		mm	MLV	≤ 10	≤ 10
Flächengewicht <i>Mass per unit area</i>	DIN EN 1849-2	kg/m ²	MDV	2,7	3,3
Effektive Dicke <i>Effective thickness</i>		mm	MDV	1,5	2,0
Wasserdichtigkeit <i>Water tightness</i>	DIN EN 1928 B	kPa	MLV	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>
Brandverhalten <i>External fire protection</i>	DIN ENV 1187	-	Anhang E	B _{ROOF} (t1)*	B _{ROOF} (t1)*
Brandverhalten <i>Reaction to fire</i>	DIN EN 13501-1	-	s. 5.2.5.2	E	E
Schälwiderstand der Fügenaht <i>Joint peel resistance</i>	DIN EN 12316-2	N/50 mm	MLV	NPD	NPD
Scherwiderstand der Fügenaht <i>Joint shear resistance</i>	DIN EN 12317-2	N/50 mm	MLV	≥ 600	≥ 600
Zugfestigkeit <i>Tensile strenght</i>	DIN EN 12311-2	N/mm ²	MLV	≥ 10	≥ 10
Dehnung <i>Elongation</i>		%	MLV	≥ 200	≥ 200
Perforationsverhalten <i>Resistance to impact</i>	DIN EN 12691 DIN EN 12691	mm	MLV	600	750
Verfahren A) <i>Method A)</i> Verfahren B) <i>Method B)</i>			mm	MLV	600
Widerstand gegen statische Belastung <i>Resistance to static load</i>	DIN EN 12730 Methode B	kg	MLV	≥ 20	≥ 20
Dauerhaftigkeit Wasserdichtheit gegen Alterung <i>Durability watertightnes against aging</i>	DIN EN 1296 nach DIN EN 1928	-	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>
Dauerhaftigkeit Wasserdichtheit gegen Chemikalien <i>Durability watertightnes against chemicals</i>	DIN EN 1847 nach DIN EN 1928		erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>
Weiterreißwiderstand Nagelschaft <i>Resistance to nail tear</i>	DIN EN 13859-1			≥ 350	≥ 350
Weiterreißwiderstand <i>Tear resistance</i>	DIN EN 12310-2	N	MLV	≥ 150	≥ 150
Wurzelfestigkeit <i>Resistance to root penetration</i>	DIN EN 13948		erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>
Maßänderung nach Warmlagerung <i>Dimensional stability</i>	DIN EN 1107-2	%	MLV	≤ 0,5	≤ 0,5
Falzen in der Kälte <i>Foldability at low temperature</i>	DIN EN 495-5	°C	MLV	≤ -20	≤ -20
UV-Beanspruchung <i>UV exposure</i>	DIN EN 1297	visuell	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>
Hagelschlagbeständigkeit <i>Hail resistance</i>	DIN EN 13583	m/s	MLV	≥ 25	≥ 25
Wasserdampfdurchlässigkeit <i>water vapour properties</i>	DIN EN 1931	-	μ = MDV oder 15000	25.000 ± 7500	25.000 ± 7500
Bitumenverträglichkeit <i>Exposure to bitumen</i>	DIN EN 1548 90 d / 70°C	-	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>	erfüllt/ <i>passed</i>

Erläuterung: MDV = manufacturer's declared value (Herstellerangabe mit Toleranz)
MLV = manufacturer's limiting value (Grenzwert des Herstellers)

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