

# Tectofin RG

BITUMEN-COMPATIBLE SYNTHETIC ROOFING AND WATERPROOFING MEMBRANE BASED ON A PATENTED FORMULA COMBINATION OF HIGH-POLYMER SYNTHETIC WITH RUBBER EQUIPPED WITH A CENTRAL REINFORCEMENT.

TYPES AND APPLICATION AREAS		
Tectofin RG	With central fabric reinforcement	
Membrane width	1,100 mm / 1,620 mm	
Nominal thickness	1.5 mm / 1.8 mm / 2.0 mm*	
Colour	Grey, titan grey	
New buildings and refurbishments	<ul style="list-style-type: none"> <li>▪ Loose-laid under ballast</li> <li>▪ Mechanically fixed</li> </ul>	
Tectofin RG is certified, approved and classified according to	<ul style="list-style-type: none"> <li>▪ EN 13956 CE Waterproofing of Roofs</li> <li>▪ EN 13967 CE Waterproofing of Buildings</li> <li>▪ Fulfils all German requirements (DIN standards) for waterproofing of roofs and buildings</li> </ul>	<ul style="list-style-type: none"> <li>▪ EN 13501-1 (Class E)</li> <li>▪ CEN/TS 1187</li> </ul>
Characteristics of Tectofin RG	<ul style="list-style-type: none"> <li>▪ With central glass fibre mesh reinforcement</li> <li>▪ Extremely tear resistant</li> <li>▪ Highly resistant to cold / flexible at low temperatures</li> <li>▪ Bitumen compatible</li> <li>▪ Free of chemical flame retardants</li> </ul>	<ul style="list-style-type: none"> <li>▪ Suitable for hot-air and solvent welding</li> <li>▪ Workable at warm temperatures (Tectofin R)</li> <li>▪ Resistant to roots and rhizomes according to FLL test method</li> <li>▪ Recyclable</li> </ul>
System parts and accessories	<ul style="list-style-type: none"> <li>▪ Homogeneous membrane for forming structural details (Tectofin R)</li> <li>▪ Internal and external corners</li> <li>▪ Coated metal sheets (plates/coils)</li> <li>▪ Wittec Walkway for maintenance paths</li> </ul>	<ul style="list-style-type: none"> <li>▪ Stainless-steel system elements</li> <li>▪ Lightning and pipe protection elements</li> <li>▪ Membrane strips Tectofin RG</li> <li>▪ System adhesives (Teroson AD 914, Teroson AD Adhesive Spray)</li> </ul>



\*on request

## TECHNICAL DATA

Product information according to  
**EN 13956**

- Exposed application (mechanically fixed)
- Under ballast (gravel, green roofing, traffic areas or similar)

**EN 13967**

- Damp-proof sheets
- Basement tanking sheets

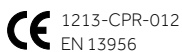
Characteristic	Testing standard	Unit	Details	Result* 1.5 mm	Result* 1.8 mm	Result* 2.0 mm
Visible defects	EN 1850-2	-	passed	passed	passed	passed
Length	EN 1848-2	m	MDV	15	15	10
Width	EN 1848-2	m	MDV	1,1 / 1,62	1,62	1,62
Straightness	EN 1848-2	mm	MLV	≤ 50	≤ 50	≤ 50
Flatness	EN 1848-2	mm	MLV	≤ 10	≤ 10	≤ 10
Mass per unit area	EN 1849-2	kg/m <sup>2</sup>	MDV	1,9	2,3	2,5
Effektive Dicke	EN 1849-2	mm	MDV	1,5	1,8	2,0
Watertightness	EN 1928 Method B	kPa	MLV	passed	passed	passed
External fire performance	CEN/TS 1187	-	-		B <sub>Roof</sub> (t1)	
Reaction to fire	EN 13501-1	-	-	Class E	Class E	Class E
Joint peel resistance	EN 12316-2	N/50 mm	MLV	≥ 300	≥ 300	≥ 300
Joint shear resistance	EN 12317-2	N/50 mm	MLV	≥ 800 (tear-off outside the joint)		
Tensile strength longitudinal and transversal	EN 12311-2	N/50 mm	MLV	≥ 800	≥ 800	≥ 800
Elongation longitudinal and transversal	EN 12311-2	%	MLV	≥ 2	≥ 2	≥ 2
Resistance to impact Method A	EN 12691	mm	MLV	600	700	750
Method B	EN 12691	mm	MLV	600	700	750
Resistance to static load	EN 12730 Method B	kg	MLV	≥ 20	≥ 20	≥ 20
Durability of watertightness against ageing	EN 1296 EN 1928	-	passed	passed	passed	passed
Durability of watertightness against chemicals	EN 1847 EN 1928	-	passed	passed	passed	passed
Resistance to nail tear	EN 12310-1	N	MLV	≥ 400	≥ 400	≥ 400
Tear resistance longitudinal and transversal	EN 12310-2	N	MLV	≥ 200	≥ 200	≥ 200
Resistance to root penetration	EN 13948		passed	passed	passed	passed
Dimensional stability longitudinal and transversal	EN 1107-2	%	MLV	≤ 1,0	≤ 1,0	≤ 1,0
Foldability at low temperature	EN 495-5	°C	MLV	≤ -20	≤ -20	≤ -20
UV exposure	EN 1297	visual	passed	passed	passed	passed
Hail resistance	EN 13583	m/s	MLV	≥ 25	≥ 25	≥ 25
Water vapour permeability	EN 1931	μ	MDV or 15,000		20,000 + 5,000	
Bitumen compatibility	EN 1548	-	passed	passed	passed	passed

MDV = manufacturer's declared value

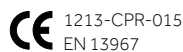
MLV = manufacturer's limiting value

\* Values in new condition

Date: 05.2019. 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.wolfin.com/Downloads](http://www.wolfin.com/Downloads).

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