

Technical information

TECTOFIN® RV

TECTOFIN RV is a bitumen-resistant, fleece-backed synthetic roofing and waterproofing membrane based on a patented combination of high-polymer PVC with ASA (acrylic synthetic rubber). TECTOFIN RV is manufactured using an extrusion process and is fitted with a fleece-free welding edge in the factory. TECTOFIN RV is specially designed and conceived for new buildings and large areas.

TECTOFIN RV is certified, approved and classified according to:

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| <ul style="list-style-type: none"> • EN 13956 CE Waterproofing of Roofs • EN 13967 CE Waterproofing of Buildings • DIN V 20000-201 (Waterproofing of Roofs) • DIN V 20000-202 (Waterproofing of Buildings) • DIN 18531 (Waterproofing of Roofs) • DIN 18195 (Waterproofing of Buildings) | <ul style="list-style-type: none"> • EN 13501-1 (Class E) • DIN 4102-1 (B2) • ENV 1187 / EN 13501-5 B_{ROOF} (t1) • DIN 4102-7 (External fire) |
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Designation according to DIN V 20000-201: **DE- PVC-P-BV- K-PV (1.2 / 1.5)**

Designation according to DIN V 20000-202: **BA- PVC-P-BV- K-PV (1.2 / 1.5)**

Characteristics of TECTOFIN RV:

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| <ul style="list-style-type: none"> • Polyester fleece-backed • Highly resistant to cold / flexible at low temperatures • Extremely tear proof • Bitumen-resistant | <ul style="list-style-type: none"> • Suitable for hot-air and solvent welding • Workable at warm temperatures (TECTOFIN R) • Resistant to roots and rhizomes according to the FLL test method • Recyclable |
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Type of membrane and application areas:

TECTOFIN RV:	homogeneous membrane with laminated fleece backing
Membrane width:	1,100 mm / 1,620 mm
Nominal thickness:	2.2 mm / 2.5 mm
New buildings and refurbishment	Bonded installation with Teroson roofing membrane adhesive, loose laid under ballast
Colour:	grey

System parts and accessories:

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| <ul style="list-style-type: none"> • homogeneous membrane material for forming structural details (TECTOFIN R) • Surface and connecting membranes with two welding edges (TECTOFIN RV 2R) • Connecting membrane with fabric reinforcement (TECTOFIN RG) • Internal and external corners | <ul style="list-style-type: none"> • Composite Metal Sheets (Plates / Coils) • Lightning protection elements • Fixing adhesive for connections (Teroson AD 914, Teroson AD Adhesive Spray) • Bonding adhesive, full surface, Teroson AD 3958 • Bonding adhesive, in strips, Teroson EF TK 400 |
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Technical support: +49 6053 708-141

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Product data according to EN 13956 and EN 13967

EN 13956

Exposed application (bonded)
Under ballast (gravel, green roofing, traffic areas or similar)

EN 13967

Damp proof sheets
Basement tanking sheets

Characteristic	Test standard	Unit	Details	Result* 2.5 mm	Result* 3,0 mm
Visible defects	EN 1850-2	-	passed	passed	
Length	EN 1848-2	m	MDV	15	15
Width		m	MDV	1.1/1.62	
Straightness		mm	MLV	≤ 50	
Flatness		mm	MLV	≤ 10	
Mass per unit area	EN 1849-2	kg/m ²	MDV	2,0	2,65
Effective thickness		mm	MDV	1.5	2,0
Water tightness	EN 1928 B	kPa	MLV	passed	
External fire performance	ENV 1187	-	Annex E	B _{ROOF} (t1) **	
Reaction to fire	EN 13501-1	-	s. 5.2.5.2	Class E	
Joint peel resistance	EN 12316-2	N/50 mm	MLV	≥ 250	
Joint shear resistance	EN 12317-2	N/50 mm	MLV	≥ 500	
Tensile strength	EN 12311-2	N/50 mm	MLV	≥ 600	
Elongation		%	MLV	≥ 10	
Resistance to impact	EN 12691	mm	MLV	600	700
Method A			MLV	600	700
Method B	EN 12691	mm	MLV	600	700
Resistance to static load	EN 12730 Method B	kg	MLV	≥ 20	
Durability of water tightness against ageing	EN 1296 EN 1928	-	passed	passed	
Durability of water tightness against chemicals	EN 1847 EN 1928	-	passed	passed	
Resistance to nail tear	EN 12310-1	N	MLV	≥ 500	
Tear resistance	EN 12310-2	N	MLV	≥ 250	
Resistance to root penetration	EN 13948	-	passed	passed	
Dimensional stability after warm storage	EN 1107-2	%	MLV	≤ 1.0	
Foldability at low temperatures	EN 495-5	°C	MLV	≤ -20	
UV exposure	EN 1297	visual	passed	passed	
Hail resistance	EN 13583	m/s	MLV	≥ 25	
Water vapour permeability	EN 1931	-	μ = MDV or 15.000	20,000 ± 5,000	
Bitumen compatibility	EN 1548 90 d/ 70°C	-	passed	passed	

Explanatory note: MDV = Manufacturer's declared value
MLV = Manufacturer's limiting value
* Values in new condition
**Valid for the tested roof construction in each case



1213-CPR-012
EN 13956



1213-CPR-015
EN 13967

The corresponding declarations of performance can be found under www.wolfin.com in the downloads section.

This technical data sheet was produced according to the latest technical knowledge and standards of WOLFIN Bautechnik GmbH, Am Rosengarten 5, 63607 Wächtersbach-Neudorf. Technical changes due to further developments are possible.