

Cosmofin GG plus

MONOMER-PLASTICISED PVC ROOFING MEMBRANE WITH A CENTRAL COMBINATION REINFORCEMENT OF GLASS FLEECE AND GLASS SCRIM.

TYPES AND APPLICATION AREAS		
Cosmofin GG plus	With a central combination reinforcement of glass fleece and glass scrim	
Membrane width	1,060 mm / 1,650 mm / 2,120 mm (on request)	
Nominal thickness	1.5 mm / 1.8 mm / 2.0 mm	
Colour	Grey	
New buildings and refurbishments	<ul style="list-style-type: none"> ▪ Mechanically fixed ▪ Loose-laid under ballast 	
Cosmofin GG plus 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
Characteristics of Cosmofin GG plus	<ul style="list-style-type: none"> ▪ Dimensional stability (glass fleece inlay with glass grid scrim) ▪ High tensile strength ▪ Ozone and UV resistant ▪ Suitable for hot-air and solvent welding 	<ul style="list-style-type: none"> ▪ Root resistant ▪ Thermoplastic deformable (Cosmofin F) ▪ Cold resistant ▪ Recyclable ▪ Free of cadmium and lead stabilisers
System parts and accessories	<ul style="list-style-type: none"> ▪ Homogeneous material for detail forming (Cosmofin F) ▪ Internal and external corners ▪ Coated metal sheets (plates/coils) ▪ Lightning rod protection tubes 	<ul style="list-style-type: none"> ▪ Witec Walkway, membrane for maintenance paths ▪ Witec KV pro, protection fleece for the installation under ballast ▪ System adhesives (Teroson AD 914, Teroson AD Adhesive Spray)



TECHNICAL DATA

Product information according to
EN 13956

- Exposed application (mechanically fixed)
- Under ballast (gravel, green roof, ...)

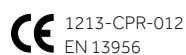
Characteristic	Testing standard	Unit	Details	Result* 1.5 mm	Result* 1.8 mm	Result* 2.0 mm
Visible defects	EN 1850-2	-	passed	passed	passed	passed
Length	EN 1848-2	m	MDV	20	17,5	15
Width	EN 1848-2	m	MDV	1,06 / 1,65	1,65	1,65
Straightness	EN 1848-2	mm	MLV	≤ 50	≤ 50	≤ 50
Flatness	EN 1848-2	mm	MLV	≤ 10	≤ 10	≤ 10
Mass per unit area	EN 1849-2	kg/m ²	MDV	1,9	2,3	2,5
Watertightness	EN 1928 Method B	kPa	MLV	passed	passed	passed
External fire performance	ENV 1187	-	-		B _{Roof} (t1)	
Reaction to fire	EN 13501-1	-	see 5.2.5.2	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		≥ 1.100	
Elongation longitudinal and transversal	EN 12311-2	%	MLV	≥ 2	≥ 2	≥ 2
Resistance to impact Method A	EN 12691	mm	MLV	≥ 600	≥ 800	≥ 800
Method B	EN 12691	mm	MLV	≥ 1.000	≥ 1.250	≥ 1.250
Resistance to static load	EN 12730 Method A	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
Nail tear resistance	EN 12310-1	N	MLV	≥ 200	≥ 200	≥ 200
Tear resistance longitudinal and transversal	EN 12310-2	N	MLV	≥ 200	≥ 200	≥ 200
Resistance to root penetration	EN 13948	-	fulfilled	fulfilled	fulfilled	fulfilled
Dimensional stability longitudinal and transversal	EN 1107-2	%	MLV	≤ 0,25	≤ 0,25	≤ 0,25
Foldability at low temperature	EN 495-5	°C	MLV	≤ -30	≤ -30	≤ -30
UV exposure	EN 1297	visual	passed	passed	passed	passed
Hail resistance Hard/soft ground	EN 13583	m/s	MLV	≥ 22 / ≥ 30	≥ 25 / ≥ 33	≥ 25 / ≥ 33
Water vapour permeability	EN 1931	μ	MDV or 15.000		25.000 ± 30 %	

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

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

Technical support

T +49 6053 708-5141

E awt.beratung.de@bmigroup.com

Wolfen Bautechnik GmbH

Am Rosengarten 5

63607 Wächtersbach Neudorf

T +49 6053 708-0

F +49 6053 708-5130

E export.wolfen.de@bmigroup.com

bmigroup.com/de