

COSMOFIN FG LL

MONOMER-PLASTICISED, HIGH UV STABILISED (LL) PVC ROOFING MEMBRANE WITH A CENTRAL POLYESTER FABRIC REINFORCEMENT.

TYPES AND APPLICATION AREAS

Cosmofin FG LL With a central polyester fabric reinforcement

Membrane width 1,650 mm

Nominal thickness 1.5 mm

Colour Light grey

New buildings and reburbishments

- Mechanically fixed
- Loose-laid under ballast

Cosmofin FG LL is certified, approved and classified according to

- EN 13956 CE Waterproofing of Roofs (Cosmofin FG)
- Fulfils all German requirements (DIN standards) (Cosmofin FG) for waterproofing of roofs

- EN 13501-1 (Class E)
- CEN/TS 1187
- AS 4654.1 - 2012 (NATA Certified)
- AS 4858 (NATA Certified)
- EN 13967:2012 for basement tanking and below Ground installation

Characteristics of Cosmofin LL

- Polyester fabric reinforcement
- High tensile strength
- Ozone and UV resistant
- Suitable for hot-air and solvent welding
- Thermoplastic deformable (Cosmofin F)

- Root resistant according FLL test method and EN 13948 (Cosmofin FG)
- Cold resistant
- Recyclable
- Free of cadmium and lead stabilisers

System parts and accessories

- Homogeneous material for detail forming (Cosmofin F)
- Internal and external corners

- Wittec Walkway, membrane for maintenance paths
- Coated metal profiles



TECHNICAL DATA

Product Information according to

EN 13967

EN 13956

- For basement tanking and below ground installation
- Exposed application (mechanically fixed)
- Under ballast (gravel, green roof, traffic areas or similar ...)

Characteristic	Testing standard	Unit	Details	Result* 1.5mm
Visible defects	EN 1850-2	-	passed	passed
Length	EN 1848-2	m	MDV	20
Width	EN 1848-2	m	MDV	1,65
Straightness	EN 1848-2	mm	MLV	≤ 50
Flatness	EN 1848-2	mm	MLV	≤ 10
Mass per unit area	EN 1849-2	kg/m ²	MDV	1,9
Watertightness	EN 1928 Method B	kPa	MLV	passed
External fire performance	EN V 1187	-	Annex E	B _{Roof} (t1)**
Reaction to fire	EN 13501-1	-	see 5.2.5.2	Class E
Joint peel resistance	EN 12316-2	N/50 mm	MLV	≥ 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	≥ 1.000 / ≥ 1.100
Elongation longitudinal and transversal	EN 12311-2	%	MLV	≥ 15
Resistance to impact Method A Method B	EN 12691 EN 12691	mm mm	MLV MLV	≥ 600 ≥ 1.000
Resistance to static load	EN 12730 Method A	kg	MLV	≥ 20
Durability of watertightness against ageing	EN 1296 EN 1928	-	passed	passed
Durability of watertightness against chemicals	EN 1847 EN 1928	-	passed	passed
Nail tear resistance	EN 12310-1	N	MLV	≥ 200
Tear resistance longitudinal and transversal	EN 12310-2	N	MLV	≥ 200
Resistance to root penetration	EN 13948	-	fulfilled	fulfilled
Dimensional stability longitudinal and transversal	EN 1107-2	%	MLV	≤ 1,0
Foldability at low temperature	EN 495-5	°C	MLV	≤ -25
UV exposure	EN 1297	visual	passed	passed
Hail resistance Hard/soft ground	EN 13583	m/s	MLV	≥ 25
Water vapour permeability	EN 1931	μ	MDV or 15,000	25,000 ± 5,000

* Values in new condition

** Valid for the respective proofed roof structure

MDV = manufacturer's declared value

MLV = manufacturer's limiting value

Date: 03/2021. This technical data sheet was produced according to the latest technical knowledge and standards. Technical changes due to further developments are possible.



PROJEX GROUP PTY LTD

ACN 003 859 916

PO Box 98 Matraville NSW 2036

PH: (02) 8336 1666

e-mail: mail@projex.com.au website: www.projex.com.au