

COSMOFIN LLV

MONOMER-PLASTICISED, HIGH UV STABILISED (LL) PVC WATERPROOFING MEMBRANE WITH INTEGRATED GLASS FLEECE REINFORCING AND A POLYESTER FLEECE BACKING, BASED ON THE LONG TERM PROVEN RECIPE OF COSMOFIN. COSMOFIN MEMBRANES ARE PRODUCED BY EXTRUSION METHOD.

TYPES AND APPLICATION AREAS

Cosmofin LLV With integrated glass fleece reinforcing and a polyester fleece backing.

Membrane width 1,650 mm

Nominal thickness 1.5 mm

Colour Light grey

New buildings and reburishments

- Strip bonded
- Loose-laid under ballast

Characteristics of Cosmofin LLV

- Glass fleece reinforcement
- High tensile strength
- Polyester fleece backing
- With LongLife (LL) equipment
- Suited for hot air and solvent welding
- Mouldable when warm (Cosmofin F)
- Cold resistant
- Recyclable
- Free of cadmium and lead stabilizers
- Resistant to plant roots according to FLL testing and EN 13948 (Type FG)
- AS 4654.1-2012

System parts and accessories

- Homogeneous material for detail forming
- Internal and external corners
- Composite metal profiles
- Surface adhesive (Teroson EF TK 400)
- Wittec Walkway, membrane for maintenance paths
- Stainless steel drainage elements

TECHNICAL DATA

Product information according to

EN 13956
Certified conformity to
AS 4654.1-2012

- Waterproofing membranes for external above-ground use

Characteristic	Testing standard	Unit	Result* 1.5mm
Visible defects	EN 1850-2	-	passed
Length	EN 1848-2	m	15
Width	EN 1848-2	m	1.65
Straightness	EN 1848-2	mm	≤ 50
Flatness	EN 1848-2	mm	≤ 10
Mass per unit area	EN 1849-2	kg/m ²	2.2
Effective thickness	EN 1849-2	mm	1.5
Watertightness	EN 1928 Method B	kPa	passed
Reaction to fire	EN 13501-1	-	Class E
Joint peel resistance	EN 12316-2	N/50 mm	≥ 185
Joint shear resistance	EN 12317-2	N/50 mm	≥ 600
Tensile strength longitudinal and transversal	EN 12311-2	N/50 mm	≥ 400
Elongation longitudinal and transversal	EN 12311-2	%	≥ 30
Resistance to impact Method A	EN 12691	mm	≥ 500
Method B	EN 12691	mm	≥ 500
Durability of watertightness against aging	EN 1296 EN 1928	-	passed
Durability of watertightness against chemicals	EN 1847 EN 1928	-	passed
Nail tear resistance	EN 12310-1	N	≥ 400
Tear resistance longitudinal and transversal	EN 12310-2	N	≥ 250
Resistance to root penetration	EN 13948	-	passed
Dimensional stability longitudinal and transversal	EN 1107-2	%	≤ 0.5
Foldability at low temperature	EN 495-5	°C	≤ -25
UV exposure	EN 1297	visual	passed
Hail resistance Hard/soft ground	EN 13583	m/s	≥ 17
Water vapour permeability	EN 1931	μ	25,000 ± 5,000

* Values in new condition

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.



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