

Technical Information

COSMOFIN LLV



COSMOFIN LLV is a 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.

Characteristics of COSMOFIN FG LLV:

- | | |
|---|--|
| <ul style="list-style-type: none"> • Glass fleece reinforcement • High tensile strength • Polyester fleece backing • With LongLife (LL) equipment • Suited for hot air and solvent welding | <ul style="list-style-type: none"> • 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) |
|---|--|

Membrane type and application areas:

COSMOFIN LLV:	
Membrane width:	1.060 mm / 1.650 mm
Nominal thickness:	1,5 mm / 1,8 mm / 2,0 mm
New building and refurbishment:	Fully or strip bonded, loose laid under ballast
Colour:	grey, further colours on request

System parts and accessories:

- | | |
|--|--|
| <ul style="list-style-type: none"> • Internal and external corners • Homogeneous material for detail forming • Composite Metal Sheets (Plates / coils) • Stainless steel drainage and ventilation elements • Lightning Rod Protection Tubes • Surface adhesive (Teroson EF TK 400) | <ul style="list-style-type: none"> • WITEC Walkway, membrane for maintenance paths • WITEC KV pro, protection fleece for the installation under ballast • Joint adhesives (Teroson AD 914, Teroson AD Adhesive Spray) |
|--|--|

Product information COSMOFIN LLV, testing according to EN 13956

EN 13956
Exposed application (fully or strip bonded) Under ballast (gravel, green roof, ...)

This Technical data sheet was produced according to the latest technical knowledge and standards of Wolfin Bautechnik. 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 FX: (02) 9661 9925
e-mail: mail@projex.com.au website: www.projex.com.au

Characteristic	Testing standard	Unity	Details	Results* 1.5 mm
Visible defects	EN 1850-2	-	passed	passed
Length	EN 1848-2	m	MDV	15
Width		m	MDV	1.65
Straightness		mm	MLV	≤50
Flatness		mm	MLV	≤10
Mass per unit area	EN 1849-2	kg/m ²	MDV	2,2
Water tightness	EN 1928 B	kPa	MLV	passed
Reaction to fire	EN 13501-1	-	s. 5.2.5.2	Class E
Joint peel resistance	EN 12316-2	N/50 mm	MLV	≥185
Joint shear resistance	EN 12317-2	N/50 mm	MLV	≥ 600
Tensile strength	EN 12317-2	N/50 mm	MLV	≥ 400
Elongation		%	MLV	≥ 30
Resistance to impact Method A Method B	EN 12691 EN 12691	mm mm	MLV MLV	≥ 500 ≥ 500
Durability of water tightness against aging	EN 1296 EN 1928	-	passed	passed
Durability of water tight- ness against chemicals	EN 1847 EN 1928	-	passed	passed
Nail tear resistance	EN 12310-1	N	MLV	≥ 400
Tear resistance	EN 12310-2	N	MLV	≥ 250
Resistance to root penetration	EN 13948 / FLL	-	passed	passed
Dimensional stability	EN 1107-2	%	MLV	≤0,5
Foldability at low temperature	EN 495-5	°C	MLV	≤-25
UV exposure	EN 1297	visual	passed	passed
Hail resistance	EN 13583	m/s	MLV	≥17
Water vapour permeability	EN 1931	-	μ = MDV or 15.000	25.000 ± 5.000

Explanation: MDV = Manufacturer's declared value
MLV = Manufacturer's limiting value
* Values in new conditions
** Valid for the respective proofed roof structure

*This Technical data sheet was produced according to the latest technical knowledge and standards of Wolfin Bautechnik.
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 FX: (02) 9661 9925
e-mail: mail@projex.com.au website: www.projex.com.au