

SOLITEX FRONTA WA

Wall lining membrane



Technical data

		Substance
Protective and covering fleece		Polypropylene microfibre
Membrane		monolithic TEEE
Attribute	Regulation	Value
Colour		black
Surface weight	EN 1849-2	100 ±5 g/m ² ; 0.33 ±0.02 oz/ft ²
Thickness	EN 1849-2	0.45 ±0.05 mm ; 18 ±2 mils
Water vapor resistance factor μ	EN ISO 12572	110
sd-value	EN ISO 12572	0.05 ±0.02 m
g-value		0.25 ±0.1 MN-s/g
Vapour permeance	ASTM E 96	65.6 US perms
Fire rating	EN 13501-1	E
Exposure time		3 months
Water column	EN 20811	10 000 mm ; 32' 10"
Water tightness non-aged/ aged*	EN 13859-2	W1 / W1
Tensile strength MD/CD	EN 13859-2 (A)	210 ±20 N/5 cm / 140 ±20 N/5 cm ; 24 ±2 lbf/in / 16 ±2 lbf/in
Tensile strength MD/CD aged*	EN 13859-2 (A)	190 ±20 N/5 cm / 120 ±20 N/5 cm ; 22 ±2 lbf/in / 14 ±2 lbf/in
Elongation MD/CD	EN 13859-2 (A)	90 ±10 % / 90 ±10 %
Elongation MD/CD aged*	EN 13859-2 (A)	70 ±10 % / 70 ±10 %
Nail tear resistance MD/CD	EN 13859-2 (B)	110 ±20 N / 140 ±20 N ; 25 ±4 lbf / 31 ±4 lbf
*) Artificial ageing by long term	EN 1297 / EN 1296	passed
Flexibility at low temperature	EN 1109	-40 °C ; -40 °F
Temperature resistance		permanent -40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		2.3 W/(m·K) ; 16 BTU-in/(h·ft ² ·F)
CE labelling	EN 13859-2	available

Area of application

For making walls externally windproof. Installation on boarding, wood-based panels and all insulation mats and boards.

Advantages

- ✓ Strong, 3-ply structure for protecting the wall structure
- ✓ Protective function as a result of non-porous functional membrane that actively manages moisture
- ✓ High nail tear resistance
- ✓ For use behind closed façades
- ✓ 3 months of outdoor exposure

The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about the application and construction can be found in the pro clima planning documentation. For queries please call the pro clima technical hotline on +49 (0)6202 278245.

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General conditions

SOLITEX FRONTA WA membranes are to be installed horizontally in a taut manner with no sagging.

The membrane must not be secured in areas where water collectively drains off.

The membrane can be used behind closed facades with at least 20 mm (1") of rear ventilation.

Additional measures (e.g. covering with tarpaulins) should be taken during the construction phase in the case of buildings that are lived in or buildings that are to be given particular protection. Covering with tarpaulins should also be considered if construction work is to be interrupted for a longer period.



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