SOLITEX FRONTA® WA

Breather membrane (WRB)



Technical data

	Material
Protective and covering fleece	Polypropylene microfibre
Functional film	Monolithic TEEE

Property	Regulation	Value
Colour		Black
Surface weight	EN 1849-2	100 g/m² ; 0.33 oz/ft²
Thickness	EN 1849-2	0.45 mm ; 18 mils
Water vapour resistance factor μ	EN ISO 12572	110
sd value	EN ISO 12572	0.05 m
g value	EN ISO 12572	0.25 MN·s/g
Vapour permeance	ASTM E 96	65.6 perms
Reaction to fire classification	EN 13501-1	E
Outdoor exposure		3 months
Watertight joints with 'connect' adhesive strips or TESCON tape	EN 13859-1	W1
Water column	EN ISO 811	10 000 mm ; 32' 10"
Watertightness, non-aged/aged*	EN 13859-2	W1 / W1
Tensile strength MD/CD	EN 13859-2 (A)	210 N/5 cm / 140 N/5 cm ; 24 lb/in / 16 lb/in
Tensile strength MD/CD, aged*	EN 13859-2 (A)	190 N/5 cm / 120 N/5 cm ; 22 lb/in / 14 lb/in
Elongation MD/CD	EN 13859-2 (A)	85% / 85%
Elongation MD/CD, aged*	EN 13859-2 (A)	70% / 70%
Nail tear-resistance MD/CD	EN 13859-2 (B)	110 N / 140 N ; 25 lbf / 31 lbf
*) Durability after artificial ageing	EN 1297 / EN 1296	Passed
Foldability at low temperature	EN 495-5	-50 °C ; -58 °F
Temperature resistance, permanent	EN 495-5, EN 1296, EN 1297	-50 °C to 100 °C ; -58 °F to 212 °F
Thermal conductivity		0.04 W/(m·K) ; 0.3 BTU·in/(h·ft²·°F)
Resistance to alkalis	EN 1847	Passed
CE labelling	EN 13859-2	Yes

Areas of application

For use as a breather membrane (weather-resistive barrier, WRB) behind closed facades. Installation over sheathing, wood-based panels and all mat or panel-shaped thermal insulation materials.

Supply forms

Art. no.	Length	Width	Contents	Weight	Sales unit	Container	GTIN
10132	50 m	1.5 m	75 m²	7.5 kg	1	20	4026639010612
10133	50 m	3 m	150 m²	15 kg	1	20	4026639010605

Advantages

- ✔ Very robust: strong, 3-ply structure
- ✔ Dry building structures: pore-free TEEE functional film actively transports moisture to the outside
- ✔ Easy to work with: high nail pull-out resistance
- ✔ For use behind closed facades
- ✔ 3 months of outdoor exposure

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.

The applications and conditions described here are based on current research findings and practical experience. We reserve the right to change the recommended application designs and installation methods and to develop and thus change the properties and quality of individual products. We would be glad to inform you about the current state of engineering knowledge at the time that your installation is carried out.

The planning documentation that is available from pro clima provides further information about installation methods and design details. If you have questions, please contact pro clima Technical Support in Germany at +49 6202 278245.

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