SOLITEX FRONTA® HUMIDA

Breather membrane (WRB) for use behind ventilated pre-wall shells



Technical data

	Material
Protective and covering fleece	Polypropylene microfibre
Functional film	Monolithic polymer mixture

Property	Regulation	Value
Colour		Anthracite
Surface weight	EN 1849-2	115 g/m² ; 0.38 oz/ft²
Thickness	EN 1849-2	0.40 mm ; 16 mils
Water vapour resistance factor μ	EN 1931	1 250
sd value	EN 1931	0.50 m
g value	EN 1931	2.5 MNs/g
Vapour permeance	ASTM E 96	6.6 perms
Reaction to fire classification	EN 13501-1	E
Outdoor exposure		3 months
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)	220 N/5 cm / 150 N/5 cm ; 25 lb/in / 17 lb/in
Tensile strength MD/CD, aged*	EN 13859-2 (A)	240 N/5 cm / 155 N/5 cm ; 27 lb/in / 18 lb/in
Elongation MD/CD	EN 13859-2 (A)	85% / 85%
Elongation MD/CD, aged*	EN 13859-2 (A)	60% / 60%
Nail tear-resistance MD/CD	EN 13859-2 (B)	125 N / 150 N ; 28 lbf / 34 lbf
*) Durability after artificial ageing	EN 1297 / EN 1296	Passed
Flexibility at low temperature	EN 1109	-40 °C ; -40 °F
Temperature resistance, permanent	EN 1109, EN 1296, EN 1297	-40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		0.04 W/(m·K) ; 0.3 BTU·in/(h·ft²·°F)
CE labelling	EN 13859-2	Yes

Areas of application

For use as a slightly diffusion-inhibiting breather membrane (weather-resistive barrier, WRB) on mineral-fibre and wood-fibre insulating panels behind a ventilated masonry/brick exterior wall.

Supply forms

Art. no.	Length	Width	Contents	Weight	Sales unit	Container	GTIN
14006	50 m	1.5 m	75 m²	9 kg	1	20	4026639140067
14069	50 m	3 m	150 m²	18 kg	1	20	4026639140692

Advantages

- ✔ In accordance with DIN 68800-2: for timber wall structures behind ventilated pre-wall shells
- ✔ Protects wall structures against moisture from the ventilation layer
- ✔ Protects the building structure during the construction phase: very resistant to driving rain
- ✔ 3 months of outdoor exposure

General conditions

SOLITEX FRONTA HUMIDA membranes must be installed with the printed side facing outwards. The membranes are to be installed horizontally in a taut manner with no sagging.

Fasteners should not be applied in areas where water run-off is collected.

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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