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		2.5 MNs/g
Vapour permeance	ASTM E 96	6.6 perms
Fire class	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 -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.	GTIN	Length	Width	Contents	Weight	Sales unit	Container
14006	4026639140067	50 m	1.5 m	75 m²	9 kg	1	20
14069	4026639140692	50 m	3 m	150 m²	18 kg	1	20

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 component 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.

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EN 13859-2

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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 installation and design details is available in the pro clima planning documentation. If you have any questions, please contact [pro clima Technical Support](https://proclima.com/service/technical-support).

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