

SOLITEX FRONTA QUATTRO FB

Flame retardant wall lining membrane for gap decking up to 30 mm (1 1/4")



Technical data

		Substance
Protective and covering fleece		Polypropylene microfibre
Membrane		monolithic
Attribute	Regulation	Value
Colour		black
Surface weight	EN 1849-2	145 g/m ² ; 0.48 oz/ft ²
Thickness	EN 1849-2	0.5 mm ; 20 mils
Water vapor resistance factor μ	EN ISO 12572	160
sd-value	EN ISO 12572	0,08 m
g-value		0.4 MN-s/g
Vapour permeance	ASTM E 96	41 US perms
Fire rating	EN 13501-1	B - s1, d0
Outdoor exposure		2 months
Water column	EN ISO 811	10 000 mm ; 32' 10"
Water tightness non-aged/aged*	EN 13859-2	W1 / W1
Tensile strength MD/CD	EN 13859-2 (A)	260 N/5 cm / 225 N/5 cm ; 30 lb/in / 26 lb/in
Tensile strength MD/CD aged*	EN 13859-2 (A)	260 N/5 cm / 220 N/5 cm ; 30 lb/in / 25 lb/in
Elongation MD/CD	EN 13859-2 (A)	60 % / 80 %
Elongation MD/CD aged*	EN 13859-2 (A)	30 % / 40 %
Nail tear resistance MD/CD	EN 13859-2 (B)	190 N / 220 N ; 43 lbf / 49 lbf
*) Durability after artificial ageing	EN 1297 / EN 1296	passed (for walls with open joints)
Flexibility at low temperature	EN 1109	-40 °C ; -40 °F
Temperature resistance		permanent -40 °C to 80 °C ; -40 °F to 176 °F
Thermal conductivity		2.3 W/(m·K) ; 16 BTU·in/(h·ft ² ·F)
CE labelling	EN 13859-2	yes

Application

For use as a wall lining membrane behind closed and open façades (gap decking, up to a gap width of 30 mm / 1 1/4" - decking width = at least 3 x gap width). Installation on boarding, wood-based panels and all mat or panel-shaped thermal insulation materials.

Advantages

- ✓ More security: flame-retardant B-s1, d0
- ✓ Ensures reliable building components: highly permeable and, at the same time, maximum protection against driving rain
- ✓ Not visible behind gap decking: black fleece with identification marking in the overlap area
- ✓ Highest possible durability and thermostability thanks to the monolithic membrane
- ✓ 2 months of outdoor exposure

General conditions

SOLITEX FRONTA QUATTRO FB membranes must be laid with the black side facing outwards. The membranes are to be installed horizontally in a taut manner with no sagging.

When using behind open jointed façades the gaps must not be more than 30 mm (1 1/4"). The width of the boarding: min. 3 x gap width. The distance between the façade and the membrane must be at least 20 mm (1").

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

Additional measures during the building phase (e.g. covering with tarpaulin) should be taken in the case of occupied buildings or buildings that need particular protection. Covering with tarpaulin should also be considered in the case of extended interruptions to work.

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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