

SOLITEX FRONTA QUATTRO

Wall lining membrane for open-jointed cladding, gap width up to 35 mm (1 3/8")



Technical data

| | | Substance |
|---|-------------------|--|
| Protective and covering fleece | | Polypropylene microfibre |
| Membrane | | monolithic TEEE |
| Property | Regulation | Value |
| Colour | | black |
| Surface weight | EN 1849-2 | 180 g/m ² ; 0.59 oz/ft ² |
| Thickness | EN 1849-2 | 0.60 mm ; 24 mils |
| Water vapor resistance factor μ | EN ISO 12572 | 80 |
| sd value | EN ISO 12572 | 0.05 m |
| g value | | 0.25 MN-s/g |
| Vapour permeance | ASTM E 96 | 65.6 US perms |
| Fire rating | EN 13501-1 | E |
| Outdoor exposure | | 6 months |
| Water column | EN ISO 811 | 10 000 mm ; 32' 10" |
| Water tightness non-aged/aged* | EN 13859-2 | W1 / W1 |
| Watertight joints with 'connect' technology if TESCON VANA is used for sticking | EN 13859-1 | W1 |
| Tensile strength MD/CD | EN 13859-2 (A) | 290 N/5 cm / 220 N/5 cm ; 33 lb/in / 25 lb/in |
| Tensile strength MD/CD aged* | EN 13859-2 (A) | 200 N/5 cm / 135 N/5 cm ; 23 lb/in / 15 lb/in |
| Elongation MD/CD | EN 13859-2 (A) | 50 % / 70 % |
| Elongation MD/CD aged* | EN 13859-2 (A) | 30 % / 40 % |
| Nail tear resistance MD/CD | EN 13859-2 (B) | 220 N / 300 N ; 49 lbf / 67 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 100 °C ; -40 °F to 212 °F |
| Thermal conductivity | | 0.04 W/(m·K) ; 0.3 BTU-in/(h·ft ² ·F) |
| CE labelling | EN 13859-2 | yes |

Application

For use as a wall lining membrane behind closed and open facades (open-jointed cladding up to a gap width of 35 mm (1 3/8"); cladding width = at least 3 x gap width). Installation on boarding, wood-based panels and all mat or panel-shaped thermal insulation materials.

Advantages

- ✓ Ensures reliable building components: highly permeable and, at the same time, maximum protection against driving rain
- ✓ Dry building components: pore-free TEEE functional membrane actively transports moisture to the outside
- ✓ Not visible behind open-jointed cladding: black fleece with identification marking in the overlap area
- ✓ Highest possible durability and thermostability thanks to the TEEE membrane
- ✓ 6 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 QUATTRO membranes should be installed with the black side facing outwards. The membranes are to be installed horizontally in a taut manner with no sagging.

When the product is used behind open-jointed cladding, the gap may be a maximum of 35 mm (1 3/8"). The width of cladding pieces must be at least three times the gap width. The distance between the open-jointed cladding and the membrane must be at least 20 mm (7/8").

Fasteners may 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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