

SOLITEX FRONTA WA

Highly permeable 3-ply wall lining membrane with monolithic TEEE membrane, suitable for closed façades



Technical data

| | | Substance |
|-----------------------------------|-------------------|---|
| Protective and covering fleece | | Polypropylene microfibre |
| Membrane | | monolithic TEEE |
| Attribute | Regulation | Value |
| Colour | | black |
| Surface weight | EN 1849-2 | 100 ±5 g/m ² ; 0.33 ±0.02 oz/ft ² |
| Thickness | EN 1849-2 | 0.45 ±0.05 mm ; 18 ±2 mils |
| Water vapor resistance factor μ | EN ISO 12572 | 110 |
| sd-value | EN ISO 12572 | 0.05 ±0.02 m |
| g-value | | 0.25 ±0.1 MN-s/g |
| Vapor permeance | ASTM E 96 | 65.6 US perms |
| Reaction to fire | EN 13501-1 | E |
| Exposure time | | 3 months |
| Water column | EN 20811 | 10 000 mm ; 32' 10" |
| Water resistance un-/aged* | EN 1928 | W1 / W1 |
| Tensile strength MD/CD | EN 13859-2 (A) | 210 ±20 N/5 cm / 140 ±20 N/5 cm ; 24 ±2 lb/in / 16 ±2 lb/in |
| Tensile strength MD/CD aged* | EN 13859-2 (A) | 190 ±20 N/5 cm / 120 ±20 N/5 cm ; 22 ±2 lb/in / 14 ±2 lb/in |
| Elongation MD/CD | EN 13859-2 (A) | 90 ±10 % / 90 ±10 % |
| Elongation MD/CD aged* | EN 13859-2 (A) | 70 ±10 % / 70 ±10 % |
| Nail tear resistance MD/CD | EN 13859-2 (B) | 110 ±20 N / 140 ±20 N ; 25 ±4 lbf / 31 ±4 lbf |
| *) Artificial ageing by long term | 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 | | 0.17 W/(m·K) ; 1.18 BTU-in/(h-ft ² -F) |
| CE labelling | EN 13859-2 | available |

Area of application

For making walls externally windproof. Installation on boarding, wood-based panels and all insulation mats and boards.

Advantages

- ✓ Strong, 3-ply structure for protecting the wall structure
- ✓ Protective function as a result of non-porous functional membrane that actively manages moisture
- ✓ High nail tear resistance
- ✓ For use behind closed façades
- ✓ 3 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 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 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.



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