# **SOLITEX FRONTA® HUMIDA**

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



# Technical data

|   | iviaterial              |   |  |  |  |  |  |
|---|-------------------------|---|--|--|--|--|--|
| Protective and covering fleece                    | Polyp                   | propylene microfibre                          |  |  |  |  |  |
| Functional film                                   | Mond                    | onolithic polymer mixture                     |  |  |  |  |  |
|   |                         |   |  |  |  |  |  |
| Property  | Regulation              | Value   |  |  |  |  |  |
| Colour  |                         | Anthracite                                    |  |  |  |  |  |
| Surface weight                                    | BS EN 1849-2            | 115 g/m²                                      |  |  |  |  |  |
| Thickness   | BS EN 1849-2            | 0.40 mm                                       |  |  |  |  |  |
| Water vapour resistance factor $\boldsymbol{\mu}$ | BS EN 1931              | 1 250   |  |  |  |  |  |
| sd value  | BS EN 1931              | 0.50 m  |  |  |  |  |  |
| g value   |                         | 2.5 MNs/g                                     |  |  |  |  |  |
| Fire class  | BS EN 13501-1           | E   |  |  |  |  |  |
| Outdoor exposure                                  |                         | 3 months                                      |  |  |  |  |  |
| Water column                                      | BS EN ISO 811           | 10 000 mm                                     |  |  |  |  |  |
| Watertightness, non-aged/<br>aged*                | BS EN 13859-2           | W1 / W1                                       |  |  |  |  |  |
| Tensile strength MD/CD                            | BS EN 13859-2 (A)       | 220 N/5 cm / 150 N/5 cm                       |  |  |  |  |  |
| Tensile strength MD/CD, aged*                     | BS EN 13859-2 (A)       | 240 N/5 cm / 155 N/5 cm                       |  |  |  |  |  |
| Elongation MD/CD                                  | BS EN 13859-2 (A)       | 85% / 85%                                     |  |  |  |  |  |
| Elongation MD/CD, aged*                           | BS EN 13859-2 (A)       | 60% / 60%                                     |  |  |  |  |  |
| Nail tear resistance MD/CD                        | BS EN 13859-2 (B)       | 125 N / 150 N                                 |  |  |  |  |  |
| *) Durability after artificial ageing             | BS EN 1297 / BS EN 1296 | Passed  |  |  |  |  |  |
| Flexibility at low temperature                    | BS EN 1109              | -40 °C ; -40 °F                               |  |  |  |  |  |
| Temperature resistance EN 1109, EN 1296, EN 1297  |                         | Permanent -40 °C to 100 °C ; -40 °F to 212 °F |  |  |  |  |  |
| Thermal conductivity                              |                         | 0.04 W/(m·K)                                  |  |  |  |  |  |
| CE labelling                                      | BS 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 form

| 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 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 application and construction is given in the pro clima planning documentation and application recommendations. If you have any questions, please call the pro clima technical hotline Ireland and

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