# SOLITEX FRONTA QUATTRO FB connect

Flame retardant wall lining membrane for gap decking up to 30 mm, with self-adhesive zones



#### Technical data

| Protective and covering fleece Membrane  Regulation  Value  Colour  black  Surface weight  BS EN 1849-2  Thickness  BS EN 1857-2  Thickness  BS EN 1857-2  Thickness  Thickness  The rating  Thickness  Th |                                | Substance         |                                     |  |  |  |  |  |
|--|--------------------------------|-------------------|-------------------------------------|--|--|--|--|--|
| AttributeRegulationValueColourblackSurface weightBS EN 1849-2145 g/m²ThicknessBS EN 1849-20.50 mmWater vapour resistance factor μBS EN ISO 12572160sd-valueBS EN ISO 125720,08 mg-value0.4 MN·s/gFire ratingBS EN 13501-1B - s1, d0Outdoor exposure2 monthsWater tightness non-aged/aged*BS EN 13859-2W1 / W1Tensile strength MD/CDBS EN 13859-2 (A)260 N/5 cm / 225 N/5 cmTensile strength MD/CD aged*BS EN 13859-2 (A)260 N/5 cm / 220 N/5 cmElongation MD/CDBS EN 13859-2 (A)60 % / 80 %Elongation MD/CD aged*BS EN 13859-2 (A)30 % / 40 %Nail tear resistance MD/CDBS EN 13859-2 (B)190 N / 220 N*) Durability after artificial ageingBS EN 1297 / BS EN 1297 / BS EN 1296passed (for walls with open joints)Flexibility at low temperatureBS EN 1109-40 °C; -40 °FTemperature resistancePermanent -40 °C to 80 °C; -40 °F to 176 °FThermal conductivity2.3 W/(m·K)  | Protective and covering fleece | F                 | Polypropylene microfibre            |  |  |  |  |  |
| Colour         black           Surface weight         BS EN 1849-2         145 g/m²           Thickness         BS EN 1849-2         0.50 mm           Water vapour resistance factor μ         BS EN ISO 12572         160           sd-value         BS EN ISO 12572         0,08 m           g-value         0.4 MN·s/g           Fire rating         BS EN 13501-1         B - s1, d0           Outdoor exposure         2 months           Water tightness non-aged/aged*         BS EN 13859-2         W1 / W1           Tensile strength MD/CD         BS EN 13859-2 (A)         260 N/5 cm / 225 N/5 cm           Tensile strength MD/CD aged*         BS EN 13859-2 (A)         260 N/5 cm / 220 N/5 cm           Elongation MD/CD aged*         BS EN 13859-2 (A)         60 % / 80 %           Elongation MD/CD aged*         BS EN 13859-2 (B)         190 N / 220 N           *) Durability after artificial ageing         BS EN 1297 / BS EN name of the parameter of the param   | Membrane                       | monolithic        |                                     |  |  |  |  |  |
| Surface weight BS EN 1849-2 0.50 mm  Water vapour resistance factor µ  sd-value BS EN 1SO 12572 160  g-value 0.4 MN·s/g  Fire rating BS EN 13501-1 B - s1, d0  Outdoor exposure 2 months  Water tightness non-aged/aged* BS EN 13859-2 (A) 260 N/5 cm / 225 N/5 cm  Tensile strength MD/CD BS EN 13859-2 (A) 260 N/5 cm / 220 N/5 cm  Elongation MD/CD aged* BS EN 13859-2 (A) 260 N/5 cm / 220 N/5 cm  Elongation MD/CD aged* BS EN 13859-2 (A) 30 % / 40 %  Nail tear resistance MD/CD BS EN 13859-2 (B) 190 N / 220 N  *) Durability after artificial ageing BS EN 1297 / BS EN 1296 passed (for walls with open joints)  Flexibility at low temperature BS EN 1109 -40 °C; -40 °F to 176 °F  Temperature resistance PD/CD The service of the servi | Attribute                      | Regulation        | Value                               |  |  |  |  |  |
| Thickness BS EN 1849-2 0.50 mm  Water vapour resistance factor μ  sd-value BS EN ISO 12572 160  g-value 0.4 MN·s/g  Fire rating BS EN 13501-1 B - s1, d0  Outdoor exposure 2 months  Water tightness non-aged/aged* BS EN 13859-2 (A) 260 N/5 cm / 225 N/5 cm  Tensile strength MD/CD BS EN 13859-2 (A) 260 N/5 cm / 220 N/5 cm  Elongation MD/CD BS EN 13859-2 (A) 30 % / 40 %  Rail tear resistance MD/CD BS EN 13859-2 (B) 190 N / 220 N  *) Durability after artificial ageing BS EN 1297 / BS EN 1296  Flexibility at low temperature BS EN 1109 -40 °C; -40 °F to 176 °F  Thermal conductivity 2.3 W/(m·K)   | Colour                         |                   | black                               |  |  |  |  |  |
| Water vapour resistance factor µ  sd-value BS EN ISO 12572 0,08 m  g-value 0.4 MN·s/g  Fire rating BS EN 13501-1 B- s1, d0  Outdoor exposure 2 months  Water tightness non-aged/aged* BS EN 13859-2 W1 / W1  Tensile strength MD/CD BS EN 13859-2 (A) 260 N/5 cm / 225 N/5 cm  Tensile strength MD/CD aged* BS EN 13859-2 (A) 260 N/5 cm / 220 N/5 cm  Elongation MD/CD BS EN 13859-2 (A) 60 % / 80 %  Elongation MD/CD aged* BS EN 13859-2 (B) 190 N / 220 N  Nail tear resistance MD/CD BS EN 13859-2 (B) 190 N / 220 N  *) Durability after artificial ageing BS EN 1297 / BS EN ageing BS EN 1297 / BS EN passed (for walls with open joints)  Flexibility at low temperature BS 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)   | Surface weight                 | BS EN 1849-2      | 145 g/m²                            |  |  |  |  |  |
| μ       BS EN ISO 12572       160         g-value       0.4 MN·s/g         Fire rating       BS EN 13501-1       B - s1, d0         Outdoor exposure       2 months         Water tightness non-aged/aged*       BS EN 13859-2       W1 / W1         Tensile strength MD/CD       BS EN 13859-2 (A)       260 N/5 cm / 225 N/5 cm         Tensile strength MD/CD aged*       BS EN 13859-2 (A)       260 N/5 cm / 220 N/5 cm         Elongation MD/CD       BS EN 13859-2 (A)       60 % / 80 %         Elongation MD/CD aged*       BS EN 13859-2 (A)       30 % / 40 %         Nail tear resistance MD/CD       BS EN 13859-2 (B)       190 N / 220 N         *) Durability after artificial ageing       BS EN 1297 / BS EN ageing       passed (for walls with open joints)         Flexibility at low temperature       BS 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)   | Thickness                      | BS EN 1849-2      | 0.50 mm                             |  |  |  |  |  |
| g-value         0.4 MN·s/g           Fire rating         BS EN 13501-1         B - s1, d0           Outdoor exposure         2 months           Water tightness non-aged/aged*         BS EN 13859-2         W1 / W1           Tensile strength MD/CD         BS EN 13859-2 (A)         260 N/5 cm / 225 N/5 cm           Tensile strength MD/CD aged*         BS EN 13859-2 (A)         260 N/5 cm / 220 N/5 cm           Elongation MD/CD         BS EN 13859-2 (A)         60 % / 80 %           Elongation MD/CD aged*         BS EN 13859-2 (A)         30 % / 40 %           Nail tear resistance MD/CD         BS EN 13859-2 (B)         190 N / 220 N           *) Durability after artificial ageing         BS EN 1297 / BS EN ageing         passed (for walls with open joints)           Flexibility at low temperature         BS 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)   | ·                              | BS EN ISO 12572   | 160                                 |  |  |  |  |  |
| Fire rating         BS EN 13501-1         B - \$1, d0           Outdoor exposure         2 months           Water tightness non-aged/aged*         BS EN 13859-2         W1 / W1           Tensile strength MD/CD         BS EN 13859-2 (A)         260 N/5 cm / 225 N/5 cm           Tensile strength MD/CD aged*         BS EN 13859-2 (A)         260 N/5 cm / 220 N/5 cm           Elongation MD/CD         BS EN 13859-2 (A)         60 % / 80 %           Elongation MD/CD aged*         BS EN 13859-2 (A)         30 % / 40 %           Nail tear resistance MD/CD         BS EN 13859-2 (B)         190 N / 220 N           *) Durability after artificial ageing         BS EN 1297 / BS EN ageing         passed (for walls with open joints)           Flexibility at low temperature         BS 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)   | sd-value                       | BS EN ISO 12572   | 0,08 m                              |  |  |  |  |  |
| Outdoor exposure  Water tightness non-aged/ aged*  BS EN 13859-2  W1 / W1  Tensile strength MD/CD  BS EN 13859-2 (A)  Tensile strength MD/CD aged*  BS EN 13859-2 (A)  Elongation MD/CD  BS EN 13859-2 (A)  Elongation MD/CD aged*  BS EN 13859-2 (A)  Elongation MD/CD aged*  BS EN 13859-2 (A)  BS EN 13859-2 (A)  W1 / W1  260 N/5 cm / 225 N/5 cm  260 N/5 cm / 220 N/5 cm  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (B)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (B)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (B)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (B)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (B)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (B)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (B)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W1 / W1  Elongation MD/CD  BS EN 13859-2 (A)  W2 / W0 / W0  Elongation MD/CD  BS EN 13859-2 (A)  W2 / W0 / W0  Elongation MD/CD  BS EN 13859-2 (A)  W2 / W0 / W0  Elongation MD/CD  BS EN 13859-2 (A)  W2 / W0 / W0  Elongation MD/CD  BS EN 13859-2 (A)  W2 / W0 / W0  Elongation MD/CD  BS EN 13859-2 (A)  W2 / W0 / W0  Elongation MD/CD  BS EN 13859-2 (A)  W2 / W0 / W0  Elongation MD/CD  BS EN 13859-2 (A)  W2 / W0 / W0  Elongatio | g-value                        |                   | 0.4 MN·s/g                          |  |  |  |  |  |
| Water tightness non-aged/aged*         BS EN 13859-2         W1 / W1           Tensile strength MD/CD         BS EN 13859-2 (A)         260 N/5 cm / 225 N/5 cm           Tensile strength MD/CD aged*         BS EN 13859-2 (A)         260 N/5 cm / 220 N/5 cm           Elongation MD/CD         BS EN 13859-2 (A)         60 % / 80 %           Elongation MD/CD aged*         BS EN 13859-2 (A)         30 % / 40 %           Nail tear resistance MD/CD         BS EN 13859-2 (B)         190 N / 220 N           *) Durability after artificial ageing         BS EN 1297 / BS EN ageing         passed (for walls with open joints)           Flexibility at low temperature         BS 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)   | Fire rating                    | BS EN 13501-1     | B - s1, d0                          |  |  |  |  |  |
| aged*       BS EN 13859-2       W1 / W1         Tensile strength MD/CD       BS EN 13859-2 (A)       260 N/5 cm / 225 N/5 cm         Tensile strength MD/CD aged*       BS EN 13859-2 (A)       260 N/5 cm / 220 N/5 cm         Elongation MD/CD       BS EN 13859-2 (A)       60 % / 80 %         Elongation MD/CD aged*       BS EN 13859-2 (A)       30 % / 40 %         Nail tear resistance MD/CD       BS EN 13859-2 (B)       190 N / 220 N         *) Durability after artificial ageing       BS EN 1297 / BS EN ageing       passed (for walls with open joints)         Flexibility at low temperature       BS 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)  | Outdoor exposure               |                   | 2 months                            |  |  |  |  |  |
| Tensile strength MD/CD aged* BS EN 13859-2 (A) 260 N/5 cm / 220 N/5 cm  Elongation MD/CD BS EN 13859-2 (A) 60 % / 80 %  Elongation MD/CD aged* BS EN 13859-2 (A) 30 % / 40 %  Nail tear resistance MD/CD BS EN 13859-2 (B) 190 N / 220 N  *) Durability after artificial ageing BS EN 1297 / BS EN ageing Passed (for walls with open joints)  Flexibility at low temperature BS 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)  |                                | BS EN 13859-2     | W1 / W1                             |  |  |  |  |  |
| Elongation MD/CD BS EN 13859-2 (A) 60 % / 80 %  Elongation MD/CD aged* BS EN 13859-2 (A) 30 % / 40 %  Nail tear resistance MD/CD BS EN 13859-2 (B) 190 N / 220 N  *) Durability after artificial ageing BS EN 1297 / BS EN 1296 passed (for walls with open joints)  Flexibility at low temperature BS 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)  | Tensile strength MD/CD         | BS EN 13859-2 (A) | 260 N/5 cm / 225 N/5 cm             |  |  |  |  |  |
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| *) Durability after artificial ageing BS EN 1297 / BS EN 1296 passed (for walls with open joints)  Flexibility at low temperature BS 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)  | Elongation MD/CD aged*         | BS EN 13859-2 (A) | 30 % / 40 %                         |  |  |  |  |  |
| resistance  | Nail tear resistance MD/CD     | BS EN 13859-2 (B) | 190 N / 220 N                       |  |  |  |  |  |
| Temperature resistance permanent -40 °C to 80 °C ; -40 °F to 176 °F  Thermal conductivity 2.3 W/(m·K)  |                                |                   | passed (for walls with open joints) |  |  |  |  |  |
| Thermal conductivity 2.3 W/(m·K)   | Flexibility at low temperature | BS EN 1109        | -40 °C ; -40 °F                     |  |  |  |  |  |
|  | Temperature resistance         |                   |                                     |  |  |  |  |  |
| CE labelling BS EN 13859-2 available   | Thermal conductivity           |                   | 2.3 W/(m·K)                         |  |  |  |  |  |
|  | CE labelling                   | BS EN 13859-2     | available                           |  |  |  |  |  |

## **Application**

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

### Forms of delivery

| Art. no. | GTIN          | Length | Width | Contents | Weight | Sales unit | Container |
|----------|---------------|--------|-------|----------|--------|------------|-----------|
| 1AR02725 | 4026639227256 | 50 m   | 1.5 m | 75 m²    | 12 kg  | 1          | 20        |

## **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
- Quick and reliable adhesion thanks to the integrated 'connect' self-adhesive zones along the membrane strips

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.

## **Ecological Building Systems**

For stockist information and full technical support for your project, please contact Ecological Building Systems or visit www.EcologicalBuildingSystems.com



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### 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. The width of the boarding: min. 3 x gap width.

The distance between the façade and the membrane must be at least 20 mm.

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.





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