

SOLITEX FRONTA QUATTRO

3-ply wall lining membrane with monolithic TEEE functional membrane, suitable for open jointed and closed façades



Technical data

		Substance
Protective and covering fleece		Polypropylene microfibre
Membrane		monolithic TEEE
Attribute	Regulation	Value
Colour		black, Print: black
Surface weight	EN 1849-2	180 ±5 g/m ²
Thickness	EN 1849-2	0.60 ±0.10 mm
Water vapour resistance factor μ	EN ISO 12572	80
sd-value	EN ISO 12572	0.05 ±0.02 m
g-value		0.25 ±0.1 MN-s/g
Water vapor permeance	ASTM E 96	65.6 US perms
Fire behaviour	EN 13501-1	E
Exposure time		6 months
Water column	EN 20811	10 000 mm
Water resistance un-/aged*	EN 1928	W1 / W1
Tensile strength MD/CD	EN 12311-1	290 ±20 N/5 cm / 220 ±20 N/5 cm
Tensile strength MD/CD aged*	EN 12311-1	200 ±20 N/5 cm / 135 ±20 N/5 cm
Elongation MD/CD	EN 12311-1	50 ±20 % / 70 ±20 %
Elongation MD/CD aged*	EN 12311-1	30 ±20 % / 40 ±20 %
Nail tear resistance MD/CD	EN 12310-1	250 ±30 N / 240 ±30 N
*) Artificial ageing by long term	EN 1297 / EN 1296	passed (for walls with open joints)
Flexibility at low temperature	EN 1109	-40 °C/-40 °F
Temperature resistance		-40 °C/-40 °F to +100 °C/212 °F
Coefficient of thermal conductivity		0.17 W/m·K
CE labelling	EN 13859-2	available

Area of application

SOLITEX FRONTA QUATTRO permanently protects the insulation from wind and rain. For use with closed and open façades (open jointed façades, up to 35 mm gap width – boarding width = min. 3 x gap width) in accordance with installation guidelines.

Advantages

- ✓ Highly diffusion-permeable, but with maximum resistance to driving rain
- ✓ Optimum drying conditions for wall structures: non-porous TEEE functional membrane actively transports moisture outwards
- ✓ Black fleece and black print prevent the membrane showing through open jointed façades
- ✓ Maximum ageing resistance and thermal stability thanks to the TEEE membrane
- ✓ 6 months of outdoor exposure

General conditions

SOLITEX FRONTA QUATTRO membranes must be laid with the printed side facing outwards. They can be laid flat either at right angles to, or along the sub-structure without sagging. Horizontal installation is preferable with regard to water tightness during the construction phase.

When using behind open jointed façades the gaps must not be more than 35 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.

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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