

SOLITEX FRONTA PENTA

Wall lining membrane for gap decking up to 50 mm (2")



Technical data

	Substance	
Fleece	Polypropylene microfibre	
Membrane	monolithic TEEE	
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Attribute	Regulation	Value
Colour		black
Surface weight	EN 1849-2	280 g/m ² ; 0.92 oz/ft ²
Thickness	EN 1849-2	1.1 mm ; 43 mils
Water vapor resistance factor μ	EN ISO 12572	185
sd-value	EN ISO 12572	0.2 m
g-value		1.0 MN-s/g
Vapour permeance	ASTM E 96	16.12 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
Tensile strength MD/CD	EN 13859-2 (A)	480 N/5 cm / 340 N/5 cm ; 55 lb/in / 39 lb/in
Tensile strength MD/CD aged*	EN 13859-2 (A)	360 N/5 cm / 260 N/5 cm ; 41 lb/in / 30 lb/in
Elongation MD/CD	EN 13859-2 (A)	60 % / 70 %
Elongation MD/CD aged*	EN 13859-2 (A)	28 % / 28 %
Nail tear resistance MD/CD	EN 13859-2 (B)	300 N / 380 N ; 67 lbf / 85 lbf
*) Durability after artificial ageing with 10,000 h of UV ageing instead of 5,000 h	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		2.3 W/(m-K) ; 16 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 (gap decking with a gap width of up to 50 mm (2") and 40% open total area). Installation on boarding, wood-based panels and all mat or panel-shaped thermal insulation materials.

Advantages

- ✓ Extremely robust and UV-stable: UV ageing test carried out with 10 000 h instead of 5 000 h
- ✓ Dry building components: pore-free TEEE functional membrane actively transports moisture to the outside
- ✓ Ensures reliable building components: permeable, extremely high tear-resistance, windproof, rainproof and waterproof
- ✓ Not visible behind gap decking: black fleece with identification marking in the overlap area
- ✓ 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.

MOLL
bauökologische Produkte GmbH
 Rheinalstraße 35 - 43
 D-68723 Schwetzingen
 Fon: +49 (0) 62 02 - 27 82.0
 eMail: info@proclima.de



General conditions

SOLITEX FRONTA PENTA membranes must be installed with the printed side facing outwards. The membranes are to be installed horizontally in a taut manner with no sagging.

When used behind gap decking, the gap may be a maximum of 50 mm (2") at a maximum of 40% open total area. The distance between the gap decking and the membrane must be at least 20 mm (7/8").

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.

CE
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EN 13859-2

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