SOLITEX FRONTA® WA

Breather membrane (WRB)



Technical data

Protective and covering fleecePolypropylene microfibreFunctional filmMonolithic TEEEPropertyRegulationValueColourBlackSurface weightEN 1849-2100 g/m²; 0.33 oz/ft²ThicknessEN 1849-20.45 mm; 18 milsWater vapour resistance factor μEN ISO 12572110sd valueEN ISO 125720.05 mg value0.25 MN-s/gVapour permeanceASTM E 9665.6 permsFire classEN 13501-1EOutdoor exposure3 monthsWatertight joints with 'connect' adhesive strips or TESCON VANA tapeEN 13859-1W1Watertightness, non-aged/aged*EN 13859-2W1 / W1Tensile strength MD/CDEN 13859-2 (A)210 NJ5 cm / 140 NJ5 cm ; 24 Ib/in / 16 Ib/inElongation MD/CDEN 13859-2 (A)190 NJ5 cm / 120 NJ5 cm ; 22 Ib/in / 14 Ib/inElongation MD/CDEN 13859-2 (A)70% / 70%Nail tear resistance MD/CDEN 13859-2 (B)110 N / 140 N / 52 Ibf / 31 Ibf*) Durability after artificial ageingEN 1297 / EN 1296PassedFlexibility at low temperatureEN 1109-40 °C ; -40 °FFemperature resistanceEN 1109-40 °C ; -40 °FFlexibility at low temperatureEN 1109-40 °C ; -40 °FCE labellingEN 13859-2YesYes		Material						
PropertyRegulationValueColourBlackSurface weightEN 1849-2100 g/m²; 0.33 oz/ft²ThicknessEN 1849-20.45 mm; 18 milsWater vapour resistance factor μ EN ISO 12572110sd valueEN ISO 125720.05 mg value0.25 MN-s/gVapour permeanceASTM E 9665.6 permsFire classEN 13501-1EOutdoor exposure3 monthsWater columnEN ISO 81110 000 mm; 32' 10"Water columnEN ISO 81110 000 mm; 32' 10"Watertight pionts with 'connect' adhesive strips or TESCON VANA tapeEN 13859-2W1 / W1Tensile strength MD/CDEN 13859-2 (A)210 N/5 cm / 140 N/5 cm ; 24 Ib/in / 16 Ib/inElongation MD/CDEN 13859-2 (A)190 N/5 cm / 120 N/5 cm ; 22 Ib/in / 14 Ib/inElongation MD/CDEN 13859-2 (A)85% / 85%Elongation MD/CDEN 13859-2 (B)110 N / 140 N; 25 Ibf / 31 Ibf*) Durability after artificial ageingEN 1297 / EN 1296 EN 1297 / EN 1296Parmanent -40 °C to 100 °C ; -40 °F to 212 °FTemperature resistanceEN 1109, EN 1296, EN 1297 / EN 1296 EN 1297 / EN 1296Permanent -40 °C to 100 °C ; -40 °C ; -40 °FTemperature resistanceEN 1109, EN 1296, EN 1297 / EN 1296Permanent -40 °C to 100 °C ; -40 °F to 212 °FThermal conductivity0.04 Wi(m:K); 0.3 BTU-in/ (h-ft2-°F)0.04 Wi(m:K); 0.3 BTU-in/ (h-ft2-°F)	Protective and covering fleece	Polypropylene microfibre						
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ThicknessEN 1849-2 0.45 mm ; 18 milsWater vapour resistance factor μ EN ISO 12572110sd valueEN ISO 12572 0.05 m g value 0.25 MN-s/g Vapour permeanceASTM E 96 65.6 perms Fire classEN 13501-1EOutdoor exposure3 monthsWater tight joints with 'connect' adhesive strips or TESCON VANA tapeEN 13859-1W1Water columnEN ISO 81110 000 mm ; 32' 10"Water tightness, non-aged/aged*EN 13859-2W1 / W1Tensile strength MD/CDEN 13859-2 (A) 210 N/5 cm / 140 N/5 cm ; 24 Ib/in / 16 Ib/inElongation MD/CD, aged*EN 13859-2 (A) 190 N/5 cm / 120 N/5 cm ; 22 Ib/in / 14 Ib/inElongation MD/CDEN 13859-2 (A) 190 N/5 cm / 220 N/5 cm ; 22 Ib/in / 14 Ib/inElongation MD/CDEN 13859-2 (A) 70% / 70% Nail tear resistance MD/CDEN 13859-2 (B) 110 N / 140 N ; 25 Ibf / 31 Ibf*) Durability after artificial ageingEN 1297 / EN 1296 EN 13859-2 (B)PassedFlexibility at low temperatureEN 1109 $-40 ^{\circ}\text{C}$; $-40 ^{\circ}\text{F}$ Temperature resistanceEN 1109 $-40 ^{\circ}\text{C}$; $-40 ^{\circ}\text{F}$ Temperature resistanceEN 1109, EN 1296, EN 1297Permanent $-40 ^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$; $-40 ^{\circ}\text{F}$ Temperature resistanceEN 1109, EN 1296, EN 1297Permanent $-40 ^{\circ}\text{C}$ to 100 $^{\circ}\text{C}$; $-40 ^{\circ}\text{F}$ Temperature resistanceEN 1109, EN 1296, EN 1297Permanent -40	Colour		Black					
Water vapour resistance factor μ EN ISO 12572110sd valueEN ISO 125720.05 mg value0.25 MN-s/gVapour permeanceASTM E 9665.6 permsFire classEN 13501-1EOutdoor exposure3 monthsWatertight joints with 'connect' adhesive strips or TESCON VANA tapeEN 13859-1W1Water columnEN ISO 81110 000 mm ; 32' 10"Watertightness, non-aged/aged*EN 13859-2W1 / W1Tensile strength MD/CDEN 13859-2 (A)210 N/5 cm / 140 N/5 cm ; 24 lb/in / 16 lb/inElongation MD/CD, aged*EN 13859-2 (A)190 N/5 cm / 120 N/5 cm ; 22 lb/in / 14 lb/inElongation MD/CD, aged*EN 13859-2 (A)85% / 85%Elongation MD/CD, aged*EN 13859-2 (A)55% / 85%Elongation MD/CD, aged*EN 13859-2 (B)110 N / 140 N ; 25 lbf / 31 lbf*) Durability after artificial ageingEN 1297 / EN 1296 EN 13859-2 (B)PassedFlexibility at low temperatureEN 1109-40 °C ; -40 °FTemperature resistanceEN 1109-40 °C to 100 °C ; -40 °F to 212 °F0.04 W/(m·K) ; 0.3 BTU·in/ (h-ft2°F)Thermal conductivity0.04 W/(m·K) ; 0.3 BTU·in/ (h-ft2°F)0.04 W/(m·K) ; 0.3 BTU·in/ (h-ft2°F)	Surface weight	EN 1849-2	100 g/m² ; 0.33 oz/ft²					
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Tensile strength MD/CD, aged*EN 13859-2 (A)Ib/in / 14 Ib/inElongation MD/CDEN 13859-2 (A)85% / 85%Elongation MD/CD, aged*EN 13859-2 (A)70% / 70%Nail tear resistance MD/CDEN 13859-2 (B)110 N / 140 N ; 25 lbf / 31 lbf*) Durability after artificial ageingEN 1297 / EN 1296PassedFlexibility at low temperatureEN 1109-40 °C ; -40 °FTemperature resistanceEN 1109, EN 1296, EN 1297Permanent -40 °C to 100 °C ; -40 °F to 212 °FThermal conductivity0.04 W/(m·K) ; 0.3 BTU-in/ (h·ft ^{2.°} F)	Tensile strength MD/CD	EN 13859-2 (A)						
Elongation MD/CD, aged*EN 13859-2 (A)70% / 70%Nail tear resistance MD/CDEN 13859-2 (B)110 N / 140 N ; 25 lbf / 31 lbf*) Durability after artificial ageingEN 1297 / EN 1296PassedFlexibility at low temperatureEN 1109-40 °C ; -40 °FTemperature resistanceEN 1109, EN 1296, EN 1297Permanent -40 °C to 100 °C ; -40 °F to 212 °FThermal conductivity0.04 W/(m·K) ; 0.3 BTU-in/ (h·ft2·°F)	Tensile strength MD/CD, aged*	EN 13859-2 (A)						
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) Durability after artificial ageing EN 1297 / EN 1296 Passed Flexibility at low temperature 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 0.0.3 BTU-in/ (h-ft2-°F)	Elongation MD/CD, aged	EN 13859-2 (A)	70% / 70%					
Flexibility at low temperatureEN 1109-40 °C ; -40 °FTemperature resistanceEN 1109, EN 1296, EN 1297Permanent -40 °C to 100 °C ; -40 °F to 212 °FThermal conductivity0.04 W/(m·K) ; 0.3 BTU·in/ (h·ft²·°F)	Nail tear resistance MD/CD	EN 13859-2 (B)	110 N / 140 N ; 25 lbf / 31 lbf					
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) ; 0.3 BTU·in/ (h·ft ^{2.°} F)	*) Durability after artificial ageing	EN 1297 / EN 1296	Passed					
Thermal conductivity EN 1297 -40 °F to 212 °F 0.04 W/(m·K) ; 0.3 BTU·in/ (h·ft ^{2.°} F)	Flexibility at low temperature	EN 1109	-40 °C ; -40 °F					
Thermal conductivity (h-ft ² .°F)	Temperature resistance							
CE labelling EN 13859-2 Yes	Thermal conductivity							
	CE labelling	EN 13859-2	Yes					

Areas of application

For use as a breather membrane (weather-resistive barrier, WRB) behind closed facades. Installation over sheathing, wood-based panels and all mat or panel-shaped thermal insulation materials.

Supply forms

Art. no.	GTIN	Length	Width	Contents	Weight	Sales unit	Container
10132	4026639010612	50 m	1.5 m	75 m²	7.5 kg	1	20
10133	4026639010605	50 m	3 m	150 m²	15 kg	1	20

Advantages

- Very robust: strong, 3-ply structure
- ✓ Dry building structures: pore-free TEEE functional film actively transports moisture to the outside
- Easy to work with: high nail pull-out resistance
- ✓ For use behind closed facades
- ✓ 3 months of outdoor exposure

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.



Datasheet SOLITEX FRONTA WA

The membrane can be used behind closed facades with at least 20 mm (1") of rear ventilation.

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 installation and design details is available in the pro clima planning documentation. If you have any questions, please contact [pro clima Technical Support](https://proclima.com/service/technical-support).

MOLL

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For over 20 years, Ecological Building Systems has been at the forefront of environmental and sustainable building products supplying a range of innovative airtightness solutions and natural insulations backed up with expert technical support.

As product suppliers in the UK and Ireland, we're happy to assist you with your projects and have expert technical and sales advice on hand.



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