



Technical data

		Substance
Protective and covering fleece		Polypropylene microfibre
Membrane		monolithic TEEE
Reinforcement		Polypropylene non-woven fabric
Attribute	Regulation	Value
Colour		light blue
Surface weight	BS EN 1849-2	170 g/m ²
Thickness	BS EN 1849-2	0.55 mm
Water vapour resistance factor μ	BS EN ISO 12572	73
sd-value	BS EN ISO 12572	0.04 m
sd-value humidity variable		< 0.02 m
g-value		0.20 MN-s/g
g-value humidity variable		< 0.10 MN-s/g
Fire rating	BS EN 13501-1	E
Outdoor exposure		3 months
Water column	BS EN ISO 811	> 2 500 mm
Water tightness non-aged/aged*	BS EN 13859-1	W1 / W1
Tensile strength MD/CD	BS EN 13859-1 (A)	450 N/5 cm / 330 N/5 cm
Tensile strength MD/CD aged*	BS EN 13859-1 (A)	495 N/5 cm / 350 N/5 cm
Elongation MD/CD	BS EN 13859-1 (A)	20 % / 20 %
Elongation MD/CD aged*	BS EN 13859-1 (A)	15 % / 15 %
Nail tear resistance MD/CD	BS EN 13859-1 (B)	370 N / 400 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		permanent -40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		2.3 W/(m·K)
Weight-bearing	GS-BAU-20 (10/2003)	passed
Sarking membrane/roof lining membrane	ZVDH-Produktdatenblatt	USB-A / UDB-A
Temporary roof covering; suitable as ...	ZVDH	yes
CE labelling	BS EN 13859-1	available

Application

Diffusion-open roof underlay for installation hanging freely across all the rafters or else on roof decking, MDF and wood fibre underlay panels and thermal insulation materials of all kinds, including blowing-in insulation.

Forms of delivery

Art. no.	GTIN	Length	Width	Contents	Weight	Sales unit	Container
10131	4026639010551	50 m	1.5 m	75 m ²	14 kg	1	20

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 UK:
 Phone: +353 46 9432104
 Fax: +353 46 9432435
info@ecologicalbuildingsystems.com

For Stockists contact
Ireland
 T. 046 9432104
 F. 046 9432435
UK
 T. 01228 711 511
 F. 01228 712 280

Ecological Building Systems
info@ecologicalbuildingsystems.com
www.ecologicalbuildingsystems.com



Advantages

- ✓ Dry building components: pore-free TEEE functional membrane, humidity variable g -value less than 0.10 MN-s/g (s_d -value: < 0.02 m)
- ✓ Maximum ageing resistance and thermal stability thanks to the TEEE membrane
- ✓ Especially good tear resistance due to its reinforcement: suitable for blown-in insulation, particularly good protection against penetration, high nail tear resistance
- ✓ 3 months of outdoor exposure.
- ✓ Reliable during the construction phase: suitable for temporary coverings during construction work

General conditions

SOLITEX PLUS membranes should be laid with the printed side facing the installer. The membranes are to be installed as an underlay or sarking membrane horizontally (parallel to the eave) in a taut manner with no sagging. When using as a sarking membrane the spacing between the rafters is restricted to 1 m.

pro clima's Engineering Hotline or your local pro clima partner will be glad to provide information on how to proceed in the case of larger spacings.

The membrane must not be secured in areas where water collectively drains off (e.g. in grooves).

In the case of uninsulated, undeveloped attic floors, ridge ventilation should be provided. For this purpose, the SOLITEX membrane should finish 5 cm before the ridge. In addition, the undeveloped attic floor should be provided with permanent ventilation devices. The membrane should be protected against the long-term effect of UV (e.g. by blocking the entrance of light through the windows).

To protect the construction during the building SOLITEX PLUS can be used as a temporary roof cover for up to 3 months (the recommendations for specific locations may differ). In this case the roof pitch must be at least 14°.

The system components TESCON NAIDECK nail sealing tape, ORCON F joint adhesive and TESCON VANA for sticking overlaps or joints must be used. The connect versions have two self-adhesive zones for secure exterior sealing. The applicable national regulations must be taken into account when installing and sticking pro clima underlay membranes.

According to the technical regulations of the roofing trade association, they are suitable as a sarking membrane for covering a tiled roof with simple overlapping as an additional protective measure against rain. When using as a roof lining membrane with simple overlapping on a timber shell, the SOLITEX PLUS membranes are also suitable at elevated requirements as an additional protective measure against rain.

Additionally for injected foam insulation

SOLITEX PLUS can also be used as a boundary layer for blown-in insulation materials of all types. A reinforcement structure ensures that there is little expansion during the blowing-in process.

It is recommended to use nail sealing underneath counter battens (e.g. TESCON NAIDECK).

The battens must already be fitted before the blowing-in process takes place. A protruding lath must be fitted on the supporting battens in the centre of the space between the rafters so that moisture occurring under the covering can mainly be drained off centrally between the rafters. This protruding lath should be at least 1 cm thicker than the counter battens. It limits the bulging of the membranes during the blowing-in process and ensures the necessary cross-sectional area for ventilation.

If the insulation material is blown in from the outside, the blow-in holes can subsequently be stuck using TESCON VANA with a width of 15 cm.



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 UK:
Phone: +353 46 9432104
Fax: +353 46 9432435
info@ecologicalbuildingsystems.com

For Stockists contact
Ireland
T. 046 9432104
F. 046 9432435
UK
T. 01228 711 511
F. 01228 712 280

Ecological Building Systems
info@ecologicalbuildingsystems.com
www.ecologicalbuildingsystems.com

