



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 ±5 g/m ²
Thickness	BS EN 1849-2	0.55 ±0.10 mm
Water vapour resistance factor μ	BS EN ISO 12572	73
sd-value	BS EN ISO 12572	0.04 ±0.01 m
sd-value humidity variable		0.02 m
g-value		0.20 ±0.05 MN-s/g
g-value humidity variable		0.10 MN-s/g
Reaction to fire	BS EN 13501-1	E
Exposure time		3 months
Water column	BS EN 20811	> 2 500 mm
Water resistance un-/aged*	BS EN 1928	W1 / W1
Tensile strength MD/CD	BS EN 12311-1	495 ±40 N/5 cm / 350 ±40 N/5 cm
Tensile strength MD/CD aged*	BS EN 12311-1	495 ±40 N/5 cm / 350 ±40 N/5 cm
Elongation MD/CD	BS EN 12311-1	15 ±5 % / 15 ±5 %
Elongation MD/CD aged*	BS EN 12311-1	15 ±5 % / 15 ±5 %
Nail tear resistance MD/CD	BS EN 12310-1	300 ±30 N / 270 ±30 N
*) Artificial ageing by long term	BS EN 1297 / BS EN 1296	passed
Flexibility at low temperature	BS EN 1109	-40 °C ; -40 °F
Temperature resistance		-40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		0.17 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

Area of application

For use as a highly tear-resistant, permeable roof sarking or lining on boarding, MDF and fibreboard roof lining panels and all types of thermal insulation, particularly blown-in insulation.

Forms of delivery

Art. no.	GTIN	Length	Width	Contents	Weight	PU	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

- ✓ Highly permeable with a moisture-variable diffusion resistance of less than 0.10 MNs/g
- ✓ Especially good protection as a result of non-porous, driving rain resistant TEEE membrane, water column > 2 500 mm
- ✓ 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. Suitable for temporary roof coverings as specified in the ZVDH product data sheet

General conditions

pro clima SOLITEX PLUS membranes should be laid with the printed side facing the installer. They can be laid taut either at right angles to or along the eaves without sagging as a roof lining membrane or sarking membrane. Horizontal installation (along the eaves) is preferable with regard to water tightness during the construction phase. When using as a sarking membrane the spacing between the rafters is restricted to 100 cm.

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.

To protect the construction during the building phase, as specified by ZVDH ('Zentralverband des Deutschen Dachdeckerhandwerks' - National Association of the German Roofing Trade), SOLITEX PLUS roof lining membranes and sarking membranes can be used as a temporary roof cover for up to 3 months. 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 standards and guidelines of the German roofing trade association must be observed during installation and sealing.

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 blown-in insulation SOLITEX PLUS can also be used as a membrane for all types of blown-in insulation. A reinforcing layer prevents stretching when blowing in the insulation. Before the insulation is blown in the battens should already be installed. Depending on the batten spacing, we recommend installing a supporting lath in the centre of the compartment (in line with the battens), which is attached to the surface battens. This limits the SOLITEX PLUS bulging when the insulation is blown in. If laid along the sub-structure it has the advantage that the overlap is supported on a firm foundation and is therefore protected. The staples used to attach the membrane should be between 5 and 10 cm apart.

If the insulation is blown in from the outside, the injection holes can then be sealed with 15 cm wide TESCON VANA.



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

