

SOLITEX PLUS

Reinforced sarking and roof lining membrane



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
Fire rating	BS EN 13501-1	E
Exposure time		3 months
Water column	BS EN 20811	> 2 500 mm
Water tightness non-aged/aged*	BS EN 13859-1	W1 / W1
Tensile strength MD/CD	BS EN 13859-1 (A)	495 ±40 N/5 cm / 350 ±40 N/5 cm
Tensile strength MD/CD aged*	BS EN 13859-1 (A)	495 ±40 N/5 cm / 350 ±40 N/5 cm
Elongation MD/CD	BS EN 13859-1 (A)	15 ±5 % / 15 ±5 %
Elongation MD/CD aged*	BS EN 13859-1 (A)	15 ±5 % / 15 ±5 %
Nail tear resistance MD/CD	BS EN 13859-1 (B)	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		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

Area of application

Diffusion-open underlay and sarking membrane 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.

Advantages

- ✓ Dry building components: pore-free TEEE functional membrane, humidity variable g -value less than $0.10 \text{ MN}\cdot\text{s/g}$ (s_d -value: $< 0.02 \text{ m}$)
- ✓ 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.
- ✓ High degree of protection for building structures during the construction phase: suitable as a temporary covering

General conditions

SOLITEX PLUS is to be installed with the printed side facing the installation technician. It is to be installed as an underlay or sarking membrane horizontally (parallel to the eave) in a taut manner with no sagging. When it is used as a sarking membrane, the rafter spacing is limited to 100 cm.

Fasteners should not be applied in areas where water run-off is collected (e.g. in roof valleys).

Ridge ventilation should be provided in the case of non-insulated attics that have not been converted. To do so, install the SOLITEX membrane in such a way that it stops 5 cm before the ridge. In addition, permanent ventilation fittings should be provided in the unconverted attic. The membranes should then be protected against the long-term effect of UV (e.g. by blocking the entrance of light through the windows).

The SOLITEX PLUS underlay and sarking membrane can be used as temporary covering for up to 3 months to protect the building structure during the construction phase in accordance with the regulations of the Central Association of the German Roofing Trade (ZVDH). The roof pitch must be at least 14° .

The system components TESCON NAIDECK nail sealing tape, ORCON F joint adhesive and TESCON VANA are to be used for bonding of overlaps and joints. The connect variant has two self-adhesive sections for reliable exterior sealing. The specifications in the regulations of the German Roofing Trade are to be taken into account when carrying out installation and adhesion.

In accordance with the regulations, they are suitable as 'sarking membranes' for covering a roof with roof tiles and roof stones with simple overlapping as an additional measure for rain protection. When used as an 'underlay membrane' with simple overlapping on timber cladding, SOLITEX PLUS is also suitable as an additional measure for rain protection in the case of more demanding requirements.

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.

