

SOLITEX QUANTHO 3000 connect

Medium-weight roofing underlay with seam and perforation protection,
with self-adhesive strips



Technical data

		Material
Membrane, one side		Monolithic TPU
Substructure fleece		Polyester fleece
Self-adhesive strips		Water-resistant SOLID adhesive
Property	Regulation	Value
Colour		grey-blue
Surface weight	EN 13859-1	230 g/m ² ; 0.75 oz/ft ²
Thickness	EN 1849-2	0.7 mm ; 28 mils
Water vapour resistance factor μ	EN ISO 12572	230
sd value	EN ISO 12572	0.16 m
g value		0.8 MN-s/g
Vapour permeance	ASTM E96-A	20.5 perms
Fire rating	EN 13501-1	E
Outdoor exposure		Cen./Nth. Europe & Canada/Nth. US: 4 months ; RoW: 3 months
Hail impact resistance	EN 13583	ETA-23/0532
Hail impact resistance	VKF / AEAI	class HR 5
Watertightness of perforation points	EAD 030218-01-0402	ETA-23/0532
Watertight joints with 'connect' adhesive strips or TESCON VANA tape	EN 13859-1	W1
Sarking membrane/roof lining membrane	ZVDH-Produktdatenblatt	USB-A / UDB-A
Temporary roof covering; suitable as ...	ZVDH	yes
Water column	EN ISO 811	> 4 500 mm ; 14' 9"
Watertightness, non-aged/aged*	EN 13859-1	W1 / W1
Tensile strength MD/CD	EN 13859-1 (A)	335 N/5 cm / 355 N/5 cm ; 38 lb/in / 41 lb/in
Tensile strength MD/CD, aged*	EN 13859-1 (A)	325 N/5 cm / 335 N/5 cm ; 37 lb/in / 38 lb/in
Elongation MD/CD, aged*	EN 13859-1 (A)	36 % / 55 %
Nail tear resistance MD/CD	EN 13859-1 (B)	200 N / 200 N ; 45 lbf / 45 lbf
*) 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		0.04 W/(m·K) ; 0.3 BTU-in/(h·ft ² ·°F)
Emissivity	EN 15976	0.85
CE labelling	ETA-23/0532	yes

Areas of application

For use as a diffusion-open roofing underlay on roof sheathing, MDF and wood-fibre underlay panels, and on all thermal insulation materials, including blown-in insulation materials.

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).

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Supply forms

Art. no.	GTIN	Length	Width	Contents	Weight	Sales unit	Container
1AR04076	4026639240767	50 m	1.5 m	75 m ²	19 kg	1	20

Advantages

- ✓ Maximum protection for the roof structure: excellent hail impact resistance as per ETA-23/0532 and VKF (HR5 class)
- ✓ Efficient installation: roofing underlay with seam and perforation protection for roof pitches $\geq 14^\circ$ (3:12) without the need for additional sealing measures as per ETA-23/0532
- ✓ Reliable rainproof roof: serves as a sub-roof underlay for roof pitches $\geq 10^\circ$ (2.1:12) with TESCON NAIDECK as an additional sealing measure on rigid substrates
- ✓ Flexible planning of construction schedules thanks to at least 3 months of outdoor exposure
- ✓ Permanent protection thanks to the high resistance to ageing and heat of the functional membrane
- ✓ Reliable during the construction phase: suitable as a temporary covering during the construction period
- ✓ Quick and reliable adhesion thanks to the integrated 'connect' self-adhesive strips on the long edges of the membrane

General conditions

SOLITEX QUANTHO 3000 connect membranes are to be installed with the printed side facing the installation technician. The membranes are to be installed as a roofing underlay or sarking membrane horizontally (parallel to the eave) in a taut manner with no sagging.

Roofing underlay membrane

The roof pitch must be at least 14° (3:12). National regulations should be taken into account here. Ensure that the subsurface is even when installing the membrane as a roof underlay membrane. In the case of installation with seam and perforation protection, the general conditions included in the installation instructions and in ETA-23/0532 are to be taken into account.

When the membrane is used as a sarking membrane without sheathing, the rafter spacing is limited to 100 cm (3').

When the membrane is used to create a rainproof sub-roof for roof pitches $\geq 10^\circ$ (2.1:12), it is to be installed on even sheathing or another pressure-resistant subsurface. The SOLITEX QUANTHO 3000 connect membrane is located underneath the counter battens, and a nail-sealing tape such as TESCON NAIDECK is installed between the membrane and the counter battens in this application case. Fasteners may not be applied in areas where water runs off in a collected manner (e.g. in roof valleys).

General

Ridge ventilation should be provided in the case of non-insulated attics that have not been converted. To do so, install the membrane in such a way that it stops 5 cm (2") before the ridge. In addition, permanent ventilation fittings should be provided in the unconverted attic. The membrane should be protected against the long-term impacts of UV radiation (e.g. by darkening windows).

The membrane can be used as temporary covering for up to 4 months in Central and Northern Europe, Canada and the northern US, or 3 months in the rest of the world, 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 system components TESCON NAIDECK nail-sealing tape, ORCON F joint adhesive and TESCON VANA are to be used for sealing of overlaps and joints. The connect variant has two self-adhesive strips for reliable exterior sealing. The specifications of the applicable national regulations are to be taken into account when carrying out installation and adhesion.

Additional instructions for blown-in insulation materials

SOLITEX QUANTHO 3000 connect can also be used as a boundary layer for blown-in insulation materials of all types. The battens must already be fitted before the blowing-in process is carried out. A protruding lath must be installed under the supporting battens in the centre of the space between the rafters so that moisture occurring under the covering is drained off centrally between the rafters. The protruding lath should be at least 1 cm (3/8") thicker than the counter battens. This limits the bulging of the membranes during the blowing-in process and creates the necessary cross-sectional area for ventilation.

If the insulation material is blown in from the outside, the blow-in holes can subsequently be taped using TESCON VANA with a width of 15 cm (6").



Tested for hazardous substances according to



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