

SOLITEX ADHERO 3000

Medium-weight, full-surface adhesive, permeable airtightness and weathering-protection membrane



Technical data

Substance	
Protective and covering fleece	Polypropylene microfibre
Membrane	monolithic TEEE
Adhesive	water-resistant SOLID adhesive
Release film	silicone-coated PE film, split 25/125 cm (~10"/49")

Property	Regulation	Value
Colour		dark blue
Surface weight	EN 1849-2	240 g/m ² ; 0.79 oz/ft ²
Thickness	EN 1849-2	0.70 mm ; 28 mils
Water vapor resistance factor μ	EN ISO 12572	570
sd value	EN ISO 12572	0.40 m
sd value, humidity variable	EN ISO 12572	0.3 - 0.8 m
g value		2.0 MN-s/g
g value, humidity variable		1.5 - 4 MN-s/g
Vapour permeance	ASTM E96	7 US perms
Vapour permeance, humidity variable	EN ISO 12572	4.1 - 11 US perms
Fire rating	EN 13501-1	E
Outdoor exposure for pitched roofs with pitch $\geq 14^\circ$ ($\geq 3:12$)		4 months
Outdoor exposure walls		5 months
Outdoor exposure protection for floor during construction		4 weeks
Water column	EN ISO 811	10 000 mm ; 32' 10"
Water tightness non-aged/aged*	EN 1928	W1 / W1
Airtightness		passed
Tensile strength MD/CD	EN 13859-1 (A) / -2 (A)	250 N/5 cm / 200 N/5 cm ; 29 lb/in / 23 lb/in
Tensile strength MD/CD aged*	EN 13859-1 (A) / -2 (A)	190 N/5 cm / 160 N/5 cm ; 22 lb/in / 18 lb/in
Elongation MD/CD	EN 13859-1 (A) / -2 (A)	70 % / 70 %
Elongation MD/CD aged*	EN 13859-1 (A) / -2 (A)	40 % / 50 %
Nail tear resistance MD/CD	EN 13859-1 (B) / -2 (B)	170 N / 220 N ; 38 lbf / 49 lbf
*) Durability after artificial ageing at 100 °C ; 212 °F	EN 1297 / EN 1296	passed
Flexibility at low temperature	EN 1109	-40 °C ; -40 °F
Temperature resistance		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)
Roof lining membrane	ZVDH Produktdatenblatt	UDB-A
Temporary roof covering; suitable as ...	ZVDH	yes
CE labelling	EN 13859-1/-2	yes

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 the application and construction can be found in the pro clima planning documentation. For queries please call the pro clima technical hotline on +49 (0)6202 278245.

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Application

Steep roofs and walls

Allows airtightness to be achieved on wood-based products and mineral substrates – e.g. on the exterior side of unplastered (fair-faced) masonry or concrete components with joints. For roofs, it also fulfils the requirements of the Central Association of the German Roofing Trade (ZVDH) for an underlay and for temporary coverings for the specified time period.

Temporary protection for ceilings/floors during construction

Thanks to its full-surface adhesion, this product provides temporary protection for intermediate ceilings and floors on multi-storey CLT (cross-laminated timber) or wooden-frame buildings during the construction period.

Advantages

- ✓ Protects the structure: diffusion-open and maximum protection against driving rain
- ✓ Up to 4 weeks of outdoor exposure when protecting ceilings/floors during construction
- ✓ Easy and reliable installation thanks to its split release film – sticks immediately to substrates that have sufficient stability
- ✓ Reliable sticking of membrane overlaps thanks to water-resistant SOLID adhesive
- ✓ Permanent protection thanks to the high resistance to ageing and heat of the TEEE membrane
- ✓ Flexible planning of construction schedules: outdoor exposure for pitched roofs with a roof pitch of greater than 14° (3:12): 4 months, walls: 5 months
- ✓ Keeps building components dry by means of a pore-free moisture-active functional membrane

Substrates

Steep roofs and walls

Clean substrates before sticking. Adhesion to frozen surfaces is not possible. There must be no water-repellent substances (e.g. grease or silicone) on materials to be bonded. Substrates must be sufficiently dry and stable.

Bonding and joints are possible with planed and painted wood, hard plastics and metal (e.g. pipes, windows etc.), hard wood-based panels (chipboard, OSB, plywood, MDF and wood fibre underlay panels) and mineral substrates such as concrete, unplastered masonry or plaster. Concrete or plaster substrates must not be sandy or crumbling.

It is your responsibility to check the suitability of the substrate; adhesion tests are recommended in certain cases. Pre-treatment with TESCON PRIMER is required in the case of adhesion to wood-fibre underlay panels or substrates that have insufficient stability.

Temporary protection for floor during construction

Clean substrates before sticking – remove any protruding elements. Adhesion to frozen surfaces is not possible. There must be no water-repellent substances (e.g. grease or silicone) on materials to be bonded. Substrates must be sufficiently dry and stable.

It is your responsibility to check the suitability of the substrate; adhesion tests are recommended in certain cases.

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General conditions

Steep roofs and walls

SOLITEX ADHERO 3000 is to be installed with the printed side facing the installation technician; it can be installed on stable substrates (e.g. OSB, chipboard, MDF, plywood sheets, wood fibre underlay panels, layers of plaster (e.g. gypsum, lime, lime cement), masonry, concrete etc.). The membranes can be installed on walls either vertically or horizontally in an overlapping, waterproof manner. If significant rain loads are expected (e.g. in roof areas or on walls with high loads of driving rain), horizontal waterproof installation is recommended.

To achieve airtight installation, membranes must be installed with no folds or creases. When installing the membranes, rub them firmly into place using PRESSFIX XL.

This product can also be used as a temporary covering for up to 3 months to protect inclined roofs with a roof pitch of greater than 14° in accordance with the regulations of the Central Association of the German Roofing Trade (ZVDH).

In addition, system components such as the TESCON NAIDECK nail sealing tape and the KAFLEX / ROFLEX pipe and cable grommets are to be used. The specifications in the regulations of the German Roofing Trade are to be taken into account when carrying out installation and adhesion.

Temporary protection for ceilings/floors during construction

SOLITEX ADHERO 3000 is to be installed with the printed side facing the installation technician; it can be installed on stable substrates (e.g. CLT, OSB, chipboard and plywood sheets).

To achieve waterproof installation, membranes must be installed with no folds or creases. When installing the membranes, rub them firmly into place using a brush or PRESSFIX XL, for example.

If SOLITEX ADHERO 3000 is to be stuck to floor/ceiling elements during the prefabrication stage, TESCON VANA must be used to stick the element/membrane joints. Select the width so that a width of at least 5 cm (2") can be stuck on both of the elements. For joints, stick at least 5 cm (2") of TESCON VANA onto SOLITEX ADHERO 3000. Create a joint height of approx. 10-15 cm (4" - 6") at protruding walls.

SOLITEX ADHERO 3000 can provide temporary protection for intermediate ceilings and floors on multi-storey CLT (cross-laminated timber) or wooden-frame buildings during construction for a period of up to 4 weeks.

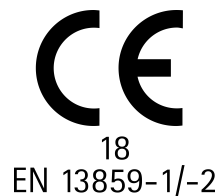
Water is to be drained from the surface of the building component, e.g. using ADHERO Floor Drain. A short-term build-up depth (max. 24 hours) of 30 mm (1 1/4") must not be exceeded.



*Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions)



Tested for hazardous substances according to



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