SOLITEX ADHERO® 3000

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



Technical data

	Material
Protective and covering fleece	Polypropylene microfibre
Functional film	Monolithic TEEE
Adhesive	Water-resistant SOLID adhesive
Release film	Silicone-coated PE film

Property	Regulation	Value
Colour		Dark blue
Surface weight	EN 1849-2	240 g/m² ; 0.79 oz/ft²
Thickness	EN 1849-2	0.49 mm ; 19 mils
Water vapour resistance factor µ	EN ISO 12572	820
sd value	EN ISO 12572	0.40 m
sd value, humidity-variable	EN ISO 12572	0.3 - 0.8 m
g value	EN ISO 12572	2.0 MN·s/g
g value, humidity-variable	EN ISO 12572	1.5 - 4 MN·s/g
Vapour permeance	ASTM E96	8.2 perms (wet cup)
Vapour permeance	EN ISO 12572	11 perms (wet cup)
Reaction to fire classification	EN 13501-1	C-s1,d0
Outdoor exposure, temp. protection for floors		28 days
Outdoor exposure, pitched roofs ≥14°(3:12)		4 months
Outdoor exposure, walls		5 months
Hail resistance	EN 13583	Passed
Hail impact resistance, floors/walls	VKF / AEAI	Class HR 4
Hail impact resistance, pitched roofs/closed facades	VKF / AEAI	Class HR 5
Slip resistance	DGUV Test	R12 / V -
Roofing underlay category (Germany)	ZVDH-Produktdatenblatt 2024	UDB
Suitable as temporary roof covering (Germany)	ZVDH	Yes
Water column	EN ISO 811	10 000 mm ; 32' 10"
Watertightness, non-aged/aged*	EN 1928	W1 / W1
Airtightness		Passed
Airtightness	S741	Passed
Airtightness	ASTM E2178	≤ 0.004 cfm/ft²
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	EN 1109, EN 1296, EN 1297	-40 °C to 100 °C ; -40 °F to 212 °F
Thermal conductivity		0.04 W/(m·K) ; 0.3 BTU·in/(h·ft²·°F)

Property	Regulation	Value
Resistance to alkalis	EN 1847	Passed
CE labelling	EN 13859-1/-2	Yes

Areas of application

Temporary protection for floors during construction

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

Pitched roofs and walls

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

Supply forms

Art. no.	Length	Width	Release film splits	Contents	Weight	Sales unit	Container	GTIN
1AR04027	30 m	0.5 m	No split	15 m²	5 kg	1	72	4026639240279
1AR04029	30 m	1 m	0.25 | 0.75 m	30 m²	10 kg	1	48	4026639240293
1AR01513	30 m	1.5 m	0.25 | 1.25 m	45 m²	14.5 kg	1	24	4026639215130

Advantages

- ✔ Protects the underlying structure: diffusion-open, and maximum protection against driving rain and hail
- ✔ Up to 6 weeks of outdoor exposure when protecting floors during construction
- ✔ 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 structures dry with its pore-free moisture-active functional film
- ✔ Safe working: anti-slip surface, even in wet conditions
- ✔ Reliable sealing of membrane overlaps thanks to water-resistant SOLID adhesive
- ✔ Long-term protection thanks to the high resistance to ageing and heat of the TEEE membrane

Substrates

Temporary protection for floors during construction

Clean subsurfaces before applying the membranes – remove any protruding elements. Adhesion is not possible on frozen surfaces. There must be no water-repellent substances (e.g. grease or silicone) on surfaces where adhesives are to be applied. Subsurfaces must be sufficiently dry and stable.

It is your responsibility to check the suitability of the subsurface; adhesion tests may be necessary in certain cases.

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Sealing 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 subsurfaces such as concrete, unplastered masonry or plaster. Concrete or plaster subsurfaces must not be sandy or crumbling.

It is your responsibility to check the suitability of the subsurface; adhesion tests may be necessary in certain cases. Pre-treatment with TESCON PRIMER is required in the case of adhesion to wood-fibre underlay panels or subsurfaces that have insufficient stability.

General conditions

Temporary protection for floors during construction

SOLITEX ADHERO 3000 is to be installed with the printed side facing the installation technician; it can be installed on stable board substrates (e.g. CLT, OSB, chipboard and plywood sheets). Recesses in the substrate – such as slots, grooves etc. – can lead to increased seepage underneath SOLITEX ADHERO membranes and should be avoided, if possible. To achieve waterproof installation, membranes must be installed with no folds or creases. When installing the membranes, rub them firmly to secure the adhesive bond using a sweeping brush or the PRESSFIX XL tool, for example.

If SOLITEX ADHERO 3000 is to be applied to floor/ceiling elements during the pre-fabrication stage, TESCON VANA must be used to tape the element/ membrane joints. Select the tape width so that a width of at least 5 cm (2″) is covered by the tape on both of the elements. Ensure that a width of at least 5 cm (2″) of TESCON VANA covers SOLITEX ADHERO 3000 at joints too. Continue the sealed transition to a height of approx. 10-15 cm (4″ - 6″) at adjacent vertical elements.

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

Water must be drained from the surface of the building structure, e.g. using ADHERO Floor Drain. A short-term build-up depth (max. 24 hours) of 30 mm (1¼″) should not be exceeded.

Bitumen membranes can be welded onto this membrane; the applicable regulations are to be observed.

Pitched roofs and walls

SOLITEX ADHERO 3000 is to be installed with the printed side facing the installation technician; it can be installed on stable subsurfaces (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 to secure the adhesive bond using the PRESSFIX XL tool.

This product can also be used as a temporary covering for up to 4 months to protect inclined roofs with a roof pitch of greater than 14° (3:12) in accordance with the regulations of the Central Association of the German Roofing Trade (ZVDH). In addition, system products such as the TESCON NAIDECK nail-sealing tape and the KAFLEX / ROFLEX pipe and cable grommets are to be used. The specifications of the applicable national regulations are to be taken into account when carrying out installation and adhesion.

EN 13583 HW5 · HAGELWIDERSTAND · HAIL IMPACT RESISTANCE · RESISTENZA ALLA GRANDINE · RÉSISTANCE À LA GRÊLE

DGUV Test IFA 2304021 R12 slip resistance classification group V - displacement volume classification group dguv.de/pruefzeichen

EPD verified

NBS

ÉMISSIONS DANS L'AIR INTÉRIEUR* A+ A+ A B C

*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 missions)

Tested for hazardous substances according to ISO 16000

Declare.

CE 18 EN 13859-1/-2

UK CA

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The applications and conditions described here are based on current research findings and practical experience. We reserve the right to change the recommended application designs and installation methods and to develop and thus change the properties and quality of individual products. We would be glad to inform you about the current state of engineering knowledge at the time that your installation is carried out.

The planning documentation that is available from pro clima provides further information about installation methods and design details. If you have questions, please contact pro clima Technical Support in Germany at +49 6202 278245.

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