Weathering protection and temporary protection during construction for timber structures

SOLITEX ADHERO system

Reliable solutions for sealing building envelopes

Ecological Building Systems

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Reliable, cost-effective weathering protection for timber structures

Wood is one of the oldest and also most versatile building materials known to us. Demand for this natural, renewable material has been booming in recent years, and there is no end in sight for this trend. With the development of large-format wood-based panels such as cross-laminated timber (CLT), 'Brettstapel' and OSB solid wood elements, timber is now a high-tech material that offers many advantages in practical applications: new builds, renovations, extensions, refurbishments, additional storeys and redensification projects can be carried out quickly and cost-effectively using timber.

Quick, precise, higher quality

Previously, timber was mainly used on single-family and multi-family homes, but in recent years timber construction has increasingly also been employed for major projects such as office and administrative buildings, schools, kindergartens, modular buildings and the large-scale addition of storeys onto multi-storey residential buildings. Thanks to the high degree of pre-fabrication that is possible, construction can be carried out efficiently, economically, precisely and to the highest aesthetic requirements – which also includes visible wooden surfaces with high-standard finishes.

Keeping water away from built structures

This principle applies equally to conventional masonry and concrete structures and to timber constructions. For this reason, the German wood preservation standard DIN 68800-2:2012-2 stipulates that suitable measures are to be taken to ensure the moisture content does not change unacceptably due to adverse influences such as ground moisture, precipitation, adjacent building components or drying out. As a consequence, unacceptable swelling of timber components and the resulting changes in shape and crack formation must be prevented by means of protection measures on building sites or through the planning of construction work.

Contractual implications

In addition, the client has an entitlement to a building with the contractually agreed surface finishes. Optical defects such as water stains can lead to avoidable disagreements, payment penalties and, in the worst case, dissatisfied clients. As a result, weather protection is an increasingly important issue on timber construction sites.

Suitable protection measures

It is a good idea to develop a weathering-protection concept during the planning stage. In the case of a compact construction, protection can be provided for building components by a fixed or moving temporary roof. Alternatively, coverings or stuck-on protection can be used. Measures of this type can make more sense on more complex geometries. In such cases, it is important to work carefully and use suitable materials. Weathering-protection membranes should be

- Waterproof and permeable
- Full-contact self-adhesive (immediate protection against wind uplift and no seepage of water possible)
- Equipped with a very resilient, glare-free covering fleece
- Anti-slip – even in wet conditions
- Thin (a number of layers should not cause problems during the installation of pre-fabricated wall and floor/ceiling elements)
- Low-emissions, particularly if they are to remain installed in the long term

The full-contact self-adhesive weathering-protection membranes in the SOLITEX ADHERO series meet these requirements and offer planners and installation technicians a complete system with optimally coordinated components:

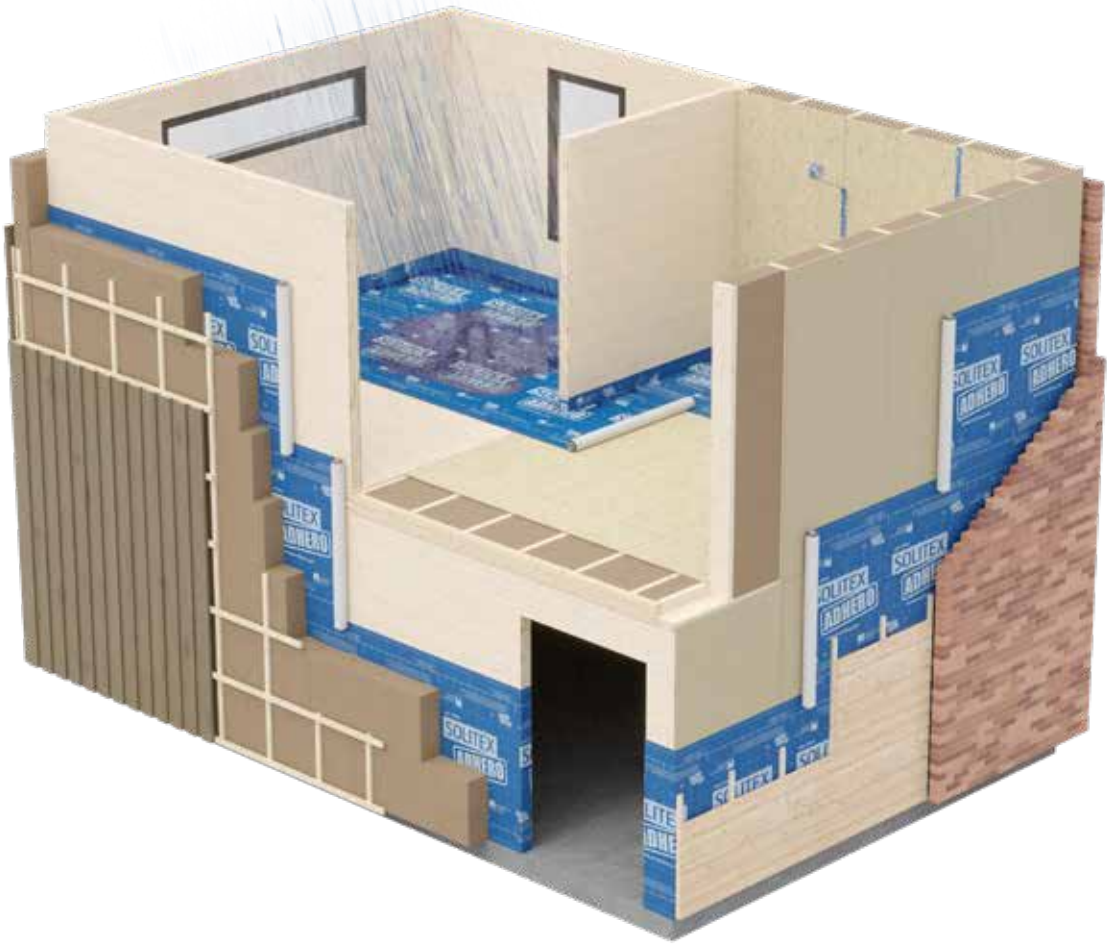
- Waterproof adhesive tape
- All-round joint adhesive
- Sprayable airtightness sealant
- Primers
- Grommets/gaskets
- Shaped elements
- Gully for temporary drainage
- System warranty

SOLITEX® ADHERO system

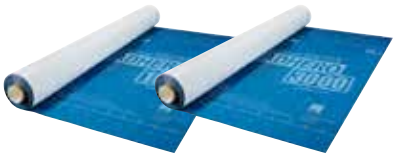
Steep roofs and walls: allows airtightness to be achieved on wood-based products and mineral subsurfaces – e.g. on the exterior side of unplastered (fair-faced) masonry or concrete components with joints. It fulfils the requirements of the Central Association of the German Roofing Trade (ZVDH) for temporary coverings on roofs 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
- ✔ Keeps building components dry by means of a pore-free moisture-active functional membrane
- ✔ Easy and reliable installation thanks to its split release film – sticks immediately to subsurfaces that have sufficient stability
- ✔ Permanent protection thanks to the high resistance to ageing and heat of the TEEE membrane
- ✔ Up to 5 months of outdoor exposure



System core components



SOLITEX ADHERO 1000 / 3000
Full-contact self-adhesive, protects walls and intermediate ceilings/floors against moisture
p. 18/19

TESCON VANA
Provides permanent, reliable adhesion that is airtight and rainproof – both indoors and outdoors p. 26

ORCON F
Creates reliable joints with rough or mineral adjacent building components p. 29

ORCON MULTIBOND
Creates reliable joints with rough or mineral adjacent building components; joints can be subjected to loading immediately
p. 30

ADHERO Floor Drain
Facilitates simple, reliable drainage of temporary sealing during the construction period
p. 32

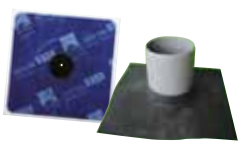
Temporary sealing during the construction period on major timber construction sites

Timber construction elements have to be protected against moisture over long periods during construction. The self-adhesive weathering-protection membranes in the SOLITEX ADHERO series can be installed quickly on all strong, stable surfaces and have full-surface adhesion with the subsurface. As a result, they fulfil requirements such as those of the Technical Information Sheet 01-2021 on cross-laminated timber (from Studiengemeinschaft Holzleimbau e.V., the German Glued Laminated Timber Research Association), the German standard DIN 68800 and the Swiss standard SIA 271.

- Full-surface adhesion: penetrating water cannot spread out between the membrane and timber component.
- Dry building components: pore-free permeable TEEE functional membrane actively transports moisture to the outside, if required.
- Excellent values in the hazardous substance test: SOLITEX ADHERO is ideally suited for construction projects with demanding standards with regard to indoor air quality; this is an advantage over temporary sealing membranes made of polymer bitumen.
- Significantly thinner than bitumen sheeting: walls can be installed directly onto covered cross-laminated timber floors without raising the height of the structure or creating measurement tolerances.
- More cost-effective than temporary roofs: on large building sites, these are often very expensive or else not possible due to the building geometry.
- Safe working: the membranes are non-slip and glare-free, even in wet conditions – there are no slipping or tripping hazards, unlike with loosely installed sheeting.

In addition:
- Good protection against transport moisture if timber construction elements are coated with SOLITEX ADHERO ex works
- Glare-free working thanks to non-reflecting surface
- Self-sealing at nail or screw connections
- A self-contained system offers maximum protection

Supplementary products for detail solutions



KAFLEX/ROFLEX
Allows for quick, reliable joints to cables and pipes
p. 31 / 33

TESCON SPRIMER / TESCON PRIMER RP
Primes and strengthens subsurfaces in a simple, quick and permanently reliable manner p. 28

AEROFIXX
For easy spraying as part of the AEROSANA system
p. 22

AEROSANA VISCONN / AEROSANA VISCONN FIBRE
Easy-to-use, time-saving system for creating joints
p. 22

AEROSANA FLEECE
Seals holes of up to a maximum of 70 mm in diameter and joints (e.g. for roof refurbishment from the outside) within the AEROSANA VISCONN system p. 22

Planning and installation instructions

Areas of application

The pro clima SOLITEX ADHERO 1000 and 3000 self-adhesive and airtight weathering-protection membranes can be used:

- for temporary protection of wall elements and intermediate floors/ceilings during construction on multi-storey timber-element buildings,
- to achieve airtightness on the interior and exterior of wood-based products and mineral subsurfaces,
- on the exterior side of wooden-frame walls behind ventilated pre-wall shells,
- as a nail-sealing pre-underlay on roof decking and suitable wood-based panels (e.g. cement-bonded particleboard in accordance with DIN EN 634-1) underneath slate coverings.

Use as temporary protection on timber element structures during construction

SOLITEX ADHERO membranes can be used as temporary protection for ceilings/floors on multi-storey timber construction projects. Run-offs that remove water from the intermediate ceiling and/or building are to be provided so that rainwater does not accumulate on the membrane. Full-surface adhesion prevents moisture from spreading underneath the membrane if the membrane should be damaged during the course of construction. At element joints and/or joints with wood-based panels, at least 15 cm (6") of SOLITEX ADHERO should be provided as an overlap onto the adjacent element/wood-based panel. Timber (material) surfaces that may have become damp can quickly dry out again thanks to the low diffusion resistance.

Use to achieve airtightness of walls on timber structures

The pro clima SOLITEX ADHERO system can be used to achieve airtightness on timber-element walls (wooden-frame, 'Brettstapel' and CLT elements) on the inside and outside. In the case of membranes applied on the exterior in particular, it should be ensured that the airtightness layer of the walls is bonded to the airtightness layers of the roof surfaces. For installation on the exterior, these products additionally provide weathering protection during the construction phase. Full-surface adhesion with the relevant subsurface also ensures that seepage underneath the membranes cannot occur.

Use to achieve airtightness of walls on masonry and concrete structures

Unplastered masonry and concrete walls, e.g. made from pre-fabricated components, are regarded as not being airtight due to their joints. SOLITEX ADHERO 1000 and 3000 can be stuck directly onto the exterior of stable mineral subsurfaces. Adjacent airtight building components also have to be stuck to one of these membranes in the area around joints to ensure the airtightness of the surface.

Use for the protection of timber structures behind pre-wall shells

After driving rain has fallen on a pre-wall shell (e.g. faced masonry), heating up can result in a microclimate with increased relative air humidities. To prevent this moisture entering into the component, DIN 68800-2 recommends that a membrane with a slightly increased diffusion resistance should be fitted on the exterior of wooden-frame construction elements. The SOLITEX ADHERO membranes have an s_d value of at least 0.30 m for this purpose, which protects the component from the outside and also allows for drying out. These membranes can be stuck directly onto stable subsurfaces. Pre-treatment with TESCON PRIMER RP may improve adhesion to subsurfaces.

Use as a nail-sealing overlay underneath slate coverings

Thanks to their full-surface adhesion, both SOLITEX ADHERO membranes seal nail holes in suitable wood-based panels (e.g. cement-bonded particleboard in accordance with EN 634-1) or solid-wood boarding, thus ensuring better protection for building components. It should be taken into account here that the sealing function is ensured when nails are hammered into the timber or timber material subsurface. This protection is not guaranteed in the case of nail holes at joints.

Further information

pro clima timber construction specialists in our Field Sales team **p. 17**

Moisture in materials due to construction work

The low s_d values of SOLITEX ADHERO allow moisture to dry out of the construction materials that are used. If this drying takes place too quickly (e.g. due to heating), bubbles may form behind the membranes due to the water vapour that results.
The performance of the membrane as an airtight layer and/or as weathering protection is not compromised by this, provided that these bubbles do not open up membrane overlaps.

No 'tent effect'

Pore-free SOLITEX ADHERO membranes offer particularly good seal tightness against driving rain. These membranes can be applied over the surface of insulation materials or roof decking. A tent effect is reliably prevented by the monolithic functional film and the multi-layer structure. The term 'tent effect' describes the phenomenon whereby waterproof tent sheets allow large amounts of moisture into tents at points where they are in contact with inside objects.

Quality assurance

In contrast with the case of membrane installation on the interior, quality checking using the differential pressure procedure (e.g. using BlowerDoor) is only possible with overpressure for membrane installation on the exterior. In this case, fog must be generated in the interior of the building using a fog machine. The airtightness of detail features can then be checked on the exterior.

Leaky module joint

Ugly water stains on a cross-laminated timber ceiling

CLT ceiling subjected to excessive dampness

Installation steps for temporary sealing of floors/ceilings during the construction period

Check the subsurface

Clean coarse dirt from the subsurface and remove any protruding elements (e.g. wood splinters or screws) so that the membrane will not be damaged during installation.

Remove loose material

Remove loose material.

Create marking

Mark the position of the first membrane on the subsurface.

Plan the marking and installation in such a way that there is continuous adhesion with the flat surface.

Apply the membrane

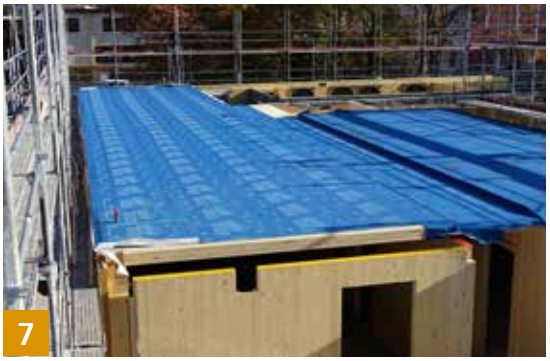
Place SOLITEX ADHERO 1000/3000 in position at this marking, align it exactly in the longitudinal direction and stick the first 30 cm (12") to the subsurface.

Stick to the subsurface

Roll out the membrane along the marking and gradually stick it to the subsurface.

Press the membrane firmly into place

Rub the membranes firmly into place – e.g. using a brush or PRESSFIX XL.



Install the remaining membranes

Stick the next membrane in place with 15 cm (6") of an overlap onto the previous membrane. Rub the membrane overlap with PRESSFIX XL.

PRESSFIX XL
Can be used to press SOLITEX ADHERO 1000/3000 into place easily and quickly

Alternative method of sticking membranes to each other

As an alternative method, the membranes can be stuck to one another using TESCON VANA. Position the tape centrally and gradually stick it in place with no folds or creases. Press firmly to secure the tape in place.

Joints to concrete walls

Joints are to be sealed using the system adhesive tape, which is to cover at least 50 mm of the membrane. Joints to vertical building components should cover a height of approx. 10 cm (4") (upper edge of subsequent covering layer of component).Areas to be sealed are to be checked beforehand and, if necessary, pre-treated using TESCON SPRIMER, for example.

Protection against seepage

A waterproof adhesive bond is to be created across the entire joint area. Any gaps or defects are to be covered with TESCON VANA in a waterproof manner or, if necessary, filled with ORCON MULTIBOND, for example.

Drainage of surface

If the unhindered run-off of rainwater is not possible due to protruding walls or other building features, it is to be ensured that drainage of all surfaces created can take place by means of floor drainage or suction. Avoid standing water on the membranes.

ORCON MULTIBOND
Creates reliable joints with rough or mineral adjacent building components; joints can be subjected to loading immediately
p. 30

Installation steps for temporary sealing of floors/ceilings during the construction period – continued

ADHERO Floor Drain
Facilitates simple, reliable drainage of temporary seal during the construction period
p. 32

Installation of ADHERO Floor Drain

Insert the ADHERO Floor Drain into the drillhole and, if necessary, secure with countersunk screws.

Seal ADHERO Floor Drain

ADHERO Floor Drain is used to drain water from surfaces and should be sealed using the TESCON VANA system adhesive tape with no folds or creases. The system adhesive tape should cover approx. 30 to 50 mm (12" to 20") of both the membrane and the ADHERO Floor Drain. Any water that is collected is to be drained from the building.

TESCON VANA
Provides permanent, reliable adhesion that is airtight and rainproof – both indoors and outdoors
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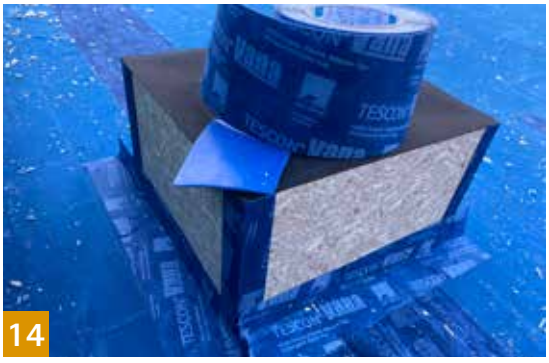


Penetrations

Penetrations are to be sealed using TESCON VANA in a manner that prevents seepage.

Working carefully

The purpose of this membrane should be explained to all parties involved in the construction project and these parties should be instructed to exercise the necessary care and to use the necessary protection (e.g. protective boards, protective mats).

Controlled drying out

To speed up drying out of any building components or membranes that may have become damp, controlled drying of the building site is recommended (accompanied by heating of the building site, if necessary).

Installation steps for airtightness and weather protection for walls

Check the subsurface

Apply pro clima TESCON PRIMER RP or TESCON SPRIMER to subsurfaces that have insufficient stability. Adhesion tests are recommended in certain cases.

Mark the position

Decide on the position of the first membrane and mark this on the wall. Determine the membrane length.

Apply to corners (with corner strip)

For interior corners and – if necessary – for exterior corners too, cut a strip of one of the SOLITEX ADHERO membranes that is at least 40 cm (16") in width and stick it in place with equal parts on each of the walls. Alternatively, tape can also be stuck over the corners (see Item 8).

PRESSFIX XL
Can be used to press SOLITEX ADHERO 1000/3000 into place easily and quickly

Cut the membranes

Cut the membranes down to the required length. Markings to make your work easier.

Roll out the cut pieces

Roll out the cut strips in such a way that the release film faces outward.

Installation steps for airtightness and weathering protection for walls – continued

Remove the release film

The release film is split into two parts that are 25 cm and 125 cm (10" and 49") wide. The 25 cm-wide application zone is stuck in place first in the description that follows. To ensure that the wider release film can be removed more easily later on, pull off a corner of this film and fold it over. This will then be easier to grip later on.

Apply the membrane (with corner strip)

Remove approx. 20-30 cm (8" - 12") of the release film of the upper application zone. Position the membrane at the marking (on the wall) and attach to the wall using the released part of the application zone. Ensure that the membrane covers at least 15 cm (6") of the corner strip.

Apply the membrane (without corner strip)

Remove approx. 20-30 cm of the release film from the upper application zone.
Position the membrane at the marking (on the wall) and attach to the wall using the released part of the application zone. To form the corner, ensure at least 15 cm (6") of membrane continues around the corner. Work the membranes into place using PRESSFIX XL and avoid hollows.

Stick the application zone

Continue rolling out the first membrane. Align it continuously with the marking. Gradually remove the release film of the application zone and stick in place. Rub using the PRESSFIX XL application tool to secure.

Remove the remainder of the release film

Grip the wide release film by the previously folded corner and pull it off.

Stick to the subsurface

Rub the tape firmly into place using PRESSFIX XL and stick the tape to the subsurface, avoiding air bubbles and folds.

Install the remaining membranes

Apply all the remaining membranes – one by one – horizontally in an overlapping, waterproof manner. The procedure is as described above. The minimum overlap for membranes is 10-15 cm (4" - 6"). Rub the membranes firmly into place using PRESSFIX XL, avoiding air bubbles and folds.

PRESSFIX XL
Can be used to press SOLITEX ADHERO 1000/3000 into place easily and quickly

Alternative: Vertical installation

Attach SOLITEX ADHERO 1000 / 3000 at the highest point. Gradually remove the release film strips by pulling them downward. Rub the membrane firmly into place using PRESSFIX XL, avoiding air bubbles and folds.

Cut out window openings

The membrane is first stuck over any window openings. To cut out the opening, cut the membranes as indicated with the red line using a cutter.

Stick the membrane into the soffit

Once the membrane has been cut, fold it onto the soffit and stick it in place. Rub the membrane firmly into place using PRESSFIX XL, avoiding air bubbles and folds.

Form the sub-sill flashing

To form the sub-sill flashing, stick EXTOSEAL ENCORS to the wall below the window – onto an insulation wedge, for example – to ensure that water is guided to the outside. Have the tape protrude by at least 4 cm (1 1/2") at the face of the wall and stick at least 15 cm (6") of this tape onto the soffits. Avoid hollows by using PRESSFIX.

EXTOSEAL ENCORS
Waterproof sealing adhesive tape with high adhesion

Installation steps for airtightness and weathering protection for walls – continued

CONTEGA SOLIDO SL/
CONTEGA SOLIDO EXO
Forms adhesive bonds with mineral subsurfaces, can be plastered over; ensures reliable airtight and/or windtight joints with subsurfaces that are to be plastered over for all building trades

TESCON VANA
Provides permanent, reliable adhesion that is airtight and rainproof – both indoors and outdoors
p. 26

ORCON F
Creates reliable joints with rough or mineral adjacent building components
p. 29

Stick the corners

Fold EXTOSEAL ENCORS onto the front side and stick it to SOLITEX ADHERO. Stretch the sub-sill flashing sufficiently at the corners and then stick it in place in a manner free of tension. Rub tape firmly into place using the pro clima PRESSFIX.

Seal window joints on the inside and outside

Apply window sealing tapes (e.g. CONTEGA SOLIDO SL on the inside and CONTEGA SOLIDO EXO on the outside) to the window frame all around the window. Place the window into the opening, fasten it and then stick the tapes to the soffit all around the window. The pro clima WINDOW BOX brochures provide detailed installation recommendations.

Sealing to rough subsurfaces

When sealing to rough subsurfaces such as concrete components, apply a line of the ORCON F system adhesive that has a thickness of at least d = 5 mm (1/4"); it may be necessary to use more on very rough subsurfaces. Apply the membrane strip to the adhesive bed, leaving slack to allow for expansion. Do not press the adhesive completely flat.

Repair of defects

Stick TESCON VANA in widths of 15 or 20 cm (6" or 8") over any defects in the membrane. Rub adhesive joints firmly (PRESSFIX).

Alternative with SOLITEX ADHERO

As an alternative, defects can also be repaired by sticking a piece of SOLITEX ADHERO membrane onto them. Rub adhesive joints firmly (PRESSFIX).

Pipe feed-throughs with ROFLEX

Seal pipe feed-throughs with a suitable ROFLEX grommet. Stick the grommet to the subsurface using TESCON VANA. Rub adhesive joints firmly (PRESSFIX).

Alternative with TESCON VANA

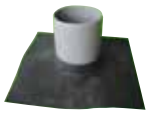
Alternatively, the pipe feed-through can be sealed in an interlocking pattern from top to bottom in a waterproof manner using TESCON VANA.

Cable feed-throughs with KAFLEX

Place a KAFLEX sealing grommet over the cable and stick it to the membrane. Rub over the stuck surface using PRESSFIX.

Angular penetrations

Seal angular penetrations using TESCON PROFECT. Rub over the stuck surface using PRESSFIX.



ROFLEX
Allows for quick, reliable joints to pipes
p. 31

TESCON VANA
Provides permanent, reliable adhesion that is airtight and rainproof – both indoors and outdoors
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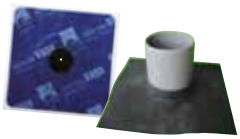

KAFLEX / ROFLEX
Allows for quick, reliable joints to cables and pipes
p. 31 / 33

TESCON PROFECT
Provides permanent, reliable adhesion in corners in an airtight and rainproof manner – both indoors and outdoors

General conditions

Steep roofs and walls
SOLITEX ADHERO 1000 / 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 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 1000/3000 is to be installed with the printed side facing the installation technician; it can be installed on stable subsurfaces (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 1000/3000 is to be stuck to floor/ceiling elements during the pre-fabrication 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 1000/3000. Run the joint up to a height of approx. 10-15 cm (4" to 6") at vertical walls.
SOLITEX ADHERO 1000/3000 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 14 days (SOLITEX ADHERO 1000) or up to 4 weeks (SOLITEX ADHERO 3000) respectively. 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.

Subsurfaces

Steep roofs and walls
Clean subsurfaces before sticking. Adhesion is not possible on frozen surfaces. There must be no water-repellent substances (e.g. grease or silicone) on materials to be bonded. Subsurfaces 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 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 are recommended 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.

Temporary protection for ceilings/floor during construction
Clean subsurfaces before sticking – remove any protruding elements. Adhesion is not possible on frozen surfaces. There must be no water-repellent substances (e.g. grease or silicone) on materials to be bonded. Subsurfaces must be sufficiently dry and stable.
It is your responsibility to check the suitability of the subsurface; adhesion tests are recommended in certain cases.

Notes

SOLITEX® ADHERO 1000

Light, full-surface adhesive, permeable airtightness and weathering-protection membrane

Steep 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 components with joints. It fulfils the requirements of the Central Association of the German Roofing Trade (ZVDH) for temporary coverings on roofs 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.

NEW

Tested for hazardous substances according to ISO 16000

Advantages

- ✔ Protects the structure: diffusion-open and maximum protection against driving rain
- ✔ Keeps building components dry by means of a pore-free moisture-active functional membrane
- ✔ Easy and reliable installation thanks to its split release film – sticks immediately to subsurfaces that have sufficient stability
- ✔ Permanent protection thanks to the high resistance to ageing and heat of the TEEE membrane
- ✔ 3 months of outdoor exposure for inclined roofs and walls
- ✔ Up to 2 weeks of outdoor exposure when protecting ceilings/floors during construction

Technical data

Component	Material	
Protective and covering fleece	Polypropylene microfibre	
Membrane	TEEE, monolithic	
Adhesive	Special acrylate adhesive	
Release film	Silicone-coated PE film, widths of strips: 25/125 cm	
Property	**Test standard/regulation**	**Value**
Colour		Dark blue
Mass per unit area	DIN EN 1849-2	180 g/m²
Thickness	DIN EN 1849-2	0.5 mm
Vapour diffusion resistance coefficient μ	DIN EN ISO 12572	450
s_d value	DIN EN ISO 12572	0.30 m
Fire behaviour	DIN EN 13501-1	E
Outdoor exposure for steep roofs/walls		3 months
Outdoor exposure protection for ceilings/floor during construction		14 days
Water column	DIN EN ISO 811	10,000 mm
Water resistance non-aged/aged*	DIN EN 1928	W1 / W1
Maximum tensile force longitudinal/transverse	DIN EN 13859-1 (A) / -2 (A)	200 N/5cm / 150 N/5cm
Maximum tensile force longitudinal/transverse aged*	DIN EN 13859-1 (A) / -2 (A)	140 N/5cm / 100 N/5cm
Elongation longitudinal/transverse	DIN EN 13859-1 (A) / -2 (A)	75% / 75%
Elongation longitudinal/transverse aged*	DIN EN 13859-1 (A) / -2 (A)	35% / 25%
Tear resistance longitudinal/transverse	DIN EN 13859-1 (B) / -2 (B)	120 N / 200 N
*) Durability after artificial ageing	DIN EN 1297 / DIN EN 1296	Test passed
Cold bending behaviour	DIN EN 1109	-40 °C
Temperature resistance		Permanent -40 °C to +100 °C
Thermal conductivity coefficient		2.3 W/(m K)
Underlay membrane	ZVDH product data sheet	USB-A / UDB-B
Temporary covering; suitable as	ZVDH	Yes
CE marking	DIN EN 13859-1/-2	Yes

Supply forms

Art. no.	GTIN	Roll length	Roll width	Area	Roll weight	PU	PU / pallet
1AR02757	4026639227577	30 m	1.50 m	45 m²	8.5 kg	1	24

Further information

Engineering hotline
If you have questions, please contact the Engineering Hotline
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Declaration of Performance
dop.proclima.com/en-gb/

CE 21
DIN EN 13859-1/-2

SOLITEX® ADHERO 3000

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

Steep 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 components with joints. It fulfils the requirements of the Central Association of the German Roofing Trade (ZVDH) for temporary coverings on roofs 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.

Formerly SOLITEX ADHERO

Tested for hazardous substances according to ISO 16000

VERY ROBUST – independently confirmed abrasion resistance

Advantages

- ✔ Protects the structure: diffusion-open and maximum protection against driving rain
- ✔ Keeps building components dry by means of a pore-free moisture-active functional membrane
- ✔ Easy and reliable installation thanks to its split release film – sticks immediately to subsurfaces that have sufficient stability
- ✔ Permanent protection thanks to the high resistance to ageing and heat of the TEEE membrane
- ✔ 3 months of outdoor exposure for inclined roofs and walls
- ✔ Up to 4 weeks of outdoor exposure when protecting ceilings/floors during construction

Technical data

Component	Material	
Protective and covering fleece	Polypropylene microfibre	
Membrane	TEEE, monolithic	
Adhesive	Special acrylate adhesive	
Release film	Silicone-coated PE film, widths of strips: 25/125 cm	
Property	**Test standard/regulation**	**Value**
Colour		Dark blue
Mass per unit area	DIN EN 1849-2	240 g/m²
Thickness	DIN EN 1849-2	0.70 mm
Vapour diffusion resistance coefficient μ	DIN EN ISO 12572	570
s_d value / humidity-variable	DIN EN ISO 12572	0.40 m / 0.3 - 0.8 m
Fire behaviour	DIN EN 13501-1	E
Outdoor exposure for pitched roofs with a roof pitch of greater than 14°		4 months
Outdoor exposure for walls		5 months
Outdoor exposure protection for ceilings/floor during construction		4 weeks
Water column	DIN EN ISO 811	10,000 mm
Water resistance non-aged/aged*	DIN EN 1928	W1 / W1
Airtightness		Test passed
Maximum tensile force longitudinal/transverse	DIN EN 13859-1 (A) / -2 (A)	250 N/5cm / 200 N/5cm
Maximum tensile force longitudinal/transverse aged*	DIN EN 13859-1 (A) / -2 (A)	190 N/5cm / 160 N/5cm
Elongation longitudinal/transverse	DIN EN 13859-1 (A) / -2 (A)	70% / 70%
Elongation longitudinal/transverse aged*	DIN EN 13859-1 (A) / -2 (A)	40% / 50%
Tear resistance longitudinal/transverse	DIN EN 13859-1 (B) / -2 (B)	170 N / 220 N
*) Durability after artificial ageing at 100 °C	DIN EN 1297 / DIN EN 1296	Test passed
Cold bending behaviour	DIN EN 1109	-40 °C
Temperature resistance		Permanent -40 °C to +100 °C
Thermal conductivity coefficient		2.3 W/(m K)
Underlay membrane	ZVDH product data sheet	UDB-A
Temporary covering; suitable as	ZVDH	Yes
CE marking	DIN EN 13859-1/-2	Yes

Supply forms

Art. no.	GTIN	Roll length	Roll width	Area	Roll weight	PU	PU / pallet
1AR01513	4026639215130	30 m	1.50 m	45 m²	12 kg	1	24

Further information

Engineering hotline
If you have questions, please contact the Engineering Hotline
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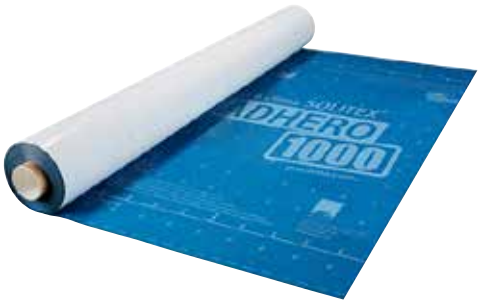
Declaration of Performance
dop.proclima.com/en-gb/

CE
18
DIN EN 13859-1/-2

An overview of SOLITEX ADHERO system products



SOLITEX® ADHERO 1000
Light, full-surface adhesive, permeable airtightness and weathering-protection membrane
Page 18

SOLITEX® ADHERO 3000
Medium-weight, full-surface adhesive, permeable airtightness and weathering-protection membrane
Page 19

AEROSANA VISCONN / AEROSANA VISCONN FIBRE
Sprayable/brush-on (fibre-reinforced) airtightness sealant with a humidity-variable s_d value, blue/black
Page 22

AEROSANA FLEECE
Bridging fleece
Page 22

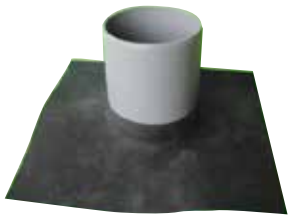
AEROFIXX
Application tool for tubular bags within the AEROSANA system
Page 22

TESCON SPRIMER/TESCON PRIMER RP
Sprayable primer for interior and exterior use / Sprayable, solvent-free for interior and exterior use
Page 28

TESCON VANA
All-round adhesive tape for interior and exterior use
Page 26

ORCON F
All-round joint adhesive for interior and exterior use
Page 29

ORCON MULTIBOND
Joint adhesive from a roll for interior and exterior use
Page 30



ROFLEX 30–300
Pipe grommets for interior and exterior use, Ø 30-300 mm
Page 31

ADHERO Floor Drain
Facilitates simple, reliable drainage of temporary seal during the construction period
Page 32

KAFLEX mono/duo
Cable grommets for 1 or 2 cables, Ø 4.8–12 mm, for interior and exterior use
Page 33

Spraying instead of sticking: quick and easy airtightness

AEROSANA® VISCONN system

For use as a humidity-variable vapour retarder and airtight layer that can be applied as a spray or using a brush on wall, ceiling and floor surfaces, such as non-plastered masonry or porous panel-form materials.

- *Also for the creation of joints to components such as windows, roofs, walls, ceilings and floors.*
- *Also suitable for strengthening subsurfaces on renovation projects*
- *The humidity-variable diffusion resistance of this product means that it can be used on the interior and exterior of building components.*
- *Forms a seamless, elastic airtight and watertight protective layer once it has dried.*

Advantages

- ✔ Simply spray it on or apply with a brush: extremely quick application
- ✔ Particularly on transitions and detail features with lots of edges and corners
- ✔ Reliable in the case of relative motion between building components: remains permanently elastic
- ✔ Sticks to all standard construction surfaces, can also be used as a bonding course
- ✔ Can be plastered, painted and stuck over
- ✔ Covers cracks and joints of up to 20 mm width (AEROSANA VISCONN FIBRE)
- ✔ No mixing necessary: ready-to-use, apply straight from the tin

CERTIFIED COMPONENT Passive House Institute
AEROSANA VISCONN

Tested for hazardous substances according to ISO 16000

Flexible in every regard

Can be applied with using an AEROFIXX device (compressed air spraying), with an airless sprayer or with a brush. Once it has dried, AEROSANA VISCONN remains extremely elastic permanently.

System core components

AEROFIXX
For easy spraying as part of the AEROSANA system
p. 25

AEROSANA VISCONN / white
Easy-to-use and time-saving system for implementing joints
p. 25

AEROSANA VISCONN FIBRE / white
Easy-to-use and time-saving system for implementing joints (fibre-reinforced)
p. 25

AEROSANA FLEECE
Seals holes of up to a maximum of 70 mm in diameter and joints (e.g. for roof refurbishment from the outside) within the AEROSANA VISCONN system
p. 25

Areas of application of the AEROSANA® VISCONN system

Joints to existing concrete walls

A quick, easy and permanent seal between the membrane and existing masonry walls can be created by spraying on AEROSANA VISCONN. If necessary, the joint can also be covered over using TESCON VANA waterproof adhesive tape.

Complicated joints

Difficult transitions and awkward geometries can be sealed quickly and easily using this sprayable airtightness sealant. Wide joints and larger gaps can be covered over easily by using AEROSANA FLEECE.

Further information

Further information on the AEROSANA VISCONN system can be found at: proclima.com/aerosana-visconn

Application instructions

Subsurfaces

Before application, check whether the subsurface is suitable for a sprayable film. It may be necessary to apply a number of coats in the case of uneven or shaped subsurfaces. Gaps (pieces broken out of the subsurface) or significant unevenness may need to be closed using AEROSANA FLEECE, stuck over before application (e.g. with one of the CONTEGA SOLIDO adhesive tapes, depending on requirements) or levelled off with filler.
If necessary, clean the subsurface (e.g. with a vacuum cleaner) Application temperature above +5 °C subsurface and air temperature. There must be no water-repellent substances (e.g. grease or silicone) on surfaces to be sprayed. Subsurfaces must be sufficiently dry and stable (application to moist, but not wet subsurfaces is possible).
Movement joints cannot be sealed due to the relative motion that can be expected. Transitions such as floor-wall joints are to be coated with the required minimum layer thickness (500 µm wet application) along their entire lengths in the area to be sealed.
If films (e.g. pro clima INTELLO) are to be sealed in an airtight manner, these should be fixed in place using a suitable adhesive tape (e.g. TESCON VANA or CONTEGA SOLIDO SL). The transition must be free of tension.

Protect adjacent materials/surfaces

Materials/surfaces beside the areas to be coated should be protected; this applies particularly to visible surfaces such as wood, glass, ceramics, clinker bricks, natural stone, paint/varnish and metal. Wash away any splashes immediately with copious amounts of water. Do not wait until they have hardened.
Clean tools with water immediately after use. Collect the water used for washing and dispose of it in accordance with official regulations.

Airless application

AEROSANA VISCONN and AEROSANA VISCONN white can be applied using airless sprayers The throughput of this equipment should not be less than 1.8 litres/min. The recommended nozzles are: 210, 317, 519. A mesh size of 60 is recommended for the pistol filter.

AEROFIXX application

The AEROFIXX device is connected to a compressor with a suction flow rate of >300 l/min. The pressure is set to 6 bar.
All AEROSANA VISCONN products in 600 ml tubular bags can be applied using the AEROFIXX device. You can easily switch between line application and spray application by turning the spray head. Spray the cylinder on the inside with lubrication and protection oil (e.g. Ballistol or WD 40) before it is used for the first time and subsequently from time to time.

Layer thickness and drying

Spraying should be carried out at a distance of approx. 20 cm (8") from the subsurface. The best coverage is achieved when one layer is first sprayed on horizontally and then sprayed over vertically in a cross pattern. Application in a number of layers can be carried out without any need for drying periods between them. The required minimum layer thickness of 500 µm has been achieved when a seamless, slightly wavy, but non-running surface ('orange peel') is formed on the surface of AEROSANA VISCONN during the spraying process. Cracks and pores (up to 3 mm or 1/8") in the subsurface must be closed with AEROSANA VISCONN by spraying over / flooding them to achieve perfect airtightness.
The thickness should be checked at various points across the entire sprayed surface using the measuring gauge immediately after the last layer of AEROSANA VISCONN has been applied.

AEROSANA VISCONN changes colour from blue to black when it dries. AEROSANA VISCONN white does not change colour. The moist film is to be protected against additional moisture (e.g. rain) until it has fully dried.

Protective equipment

If spraying is to be carried out at poorly ventilated locations, wear personal protective equipment consisting of a mask, protective glasses and gloves.

Application with a brush

All AEROSANA VISCONN products can also be applied easily using a brush. Check the minimum layer thickness of 500 µm using a measuring gauge.

Spray-on airtightness system

AEROSANA VISCONN / AEROSANA VISCONN white

Sprayable/brush-on air sealant for quick sealing of surfaces and joints, blue-black / white

	Material
Product material	Modified aqueous acrylate polymer dispersion
Property	**Value**
Colour of AEROSANA VISCONN	Dark blue, when fully dry dark blue/black
Colour of AERO. VISC. white	White
Coating application	0.2 - 1.0 mm wet film
s_d value / humidity-variable	6 m (for 0.3 mm thickness) / 0.13 - 10.00 m
Outdoor exposure	3 months
Water column	2,000 mm
Resistance to driving rain	Up to 600 Pa, surrounding (AEROSANA VISCONN)
Airtightness	Up to 1000 Pa, surrounding (AEROSANA VISCONN)
Application temperature	+5 °C to +60 °C (also applies to subsurface temperature)
Temperature resistance	Permanent -40 °C to +90 °C (dried)
Coverage	Approx. 750 g/m², depending on applied thickness and surface
Drying	Approx. 12 - 48 hours (at 20 °C, 65% rel. humidity) depending on subsurface/applied thickness
Storage	5 °C - 25 °C, closed in an airtight manner, stir well before application.

NEW

AEROSANA VISCONN FIBRE / AEROSANA VISCONN FIBRE white

Sprayable/brush-on air sealant for quick sealing of surfaces and joints with gap widths of up to 20 mm, blue/black / white

	Material
Product material	Modified aqueous acrylate polymer dispersion, fibre-reinforced
Property	**Value**
Colour of AERO. VISCONN FIBRE	Dark blue, when fully dry black
Colour AERO. VISC. FIBRE white	White
Coating application	0.6 - 1.4 mm wet film
s_d value / humidity-variable	3.5 m (for 0.3 mm thickness) / 0.15 - 5.00 m
Outdoor exposure	3 months
Water column	2,000 mm
Application temperature	+5 °C to +60 °C
Temperature resistance	Permanent -40 °C bis +90 °C (dried)
Coverage	400-800 g/m², depending on applied thickness and surface
Drying	Approx. 6 - 48 hours (at 20 °C, 65% rel. humidity), depending on applied thickness and surface
Storage	5 °C - 25 °C, closed in an airtight manner, stir well before application.

NEW

NEW

Supply forms

Product	Art. no.	GTIN	Supply form	Contents	PU	Container
AEROSANA VISCONN	1AR01106	4026639211064	Tin	10 l	1	45
AEROSANA VISCONN	1AR02612	4026639226129	Tubular bag	0.6 l	12	720
AEROSANA VISCONN white	1AR01740	4026639217400	Tin	10 l	1	45
AEROSANA VISCONN white	1AR02749	4026639227492	Tubular bag	0.6 l	12	720
AEROSANA VISCONN FIBRE	1AR01677	4026639216779	Tin	5 l	1	60
AEROSANA VISCONN FIBRE	1AR02633	4026639226334	Tubular bag	0.6 l	12	720
AEROSANA VISCONN FIBRE white	1AR02711	4026639227119	Tin	5 l	1	60
AEROSANA VISCONN FIBRE white	1AR02750	4026639227508	Tubular bag	0.6 l	12	720
AEROSANA FLEECE	1AR01715	4026639217158	25 m x 150 mm	7.5 m²	2	-
AEROFIXX	1AR02714	4026639227140	Box	-	1	-

NEW

AEROFIXX
For easy spraying as part of the AEROSANA system

TESCON® Vana

All-round adhesive tape for interior and exterior use

Can be plastered over

CERTIFIED COMPONENT
Passive House Institute

100 YEARS ADHESION
successfully tested
unique worldwide
proclima.com/100years

Tested for hazardous substances according to ISO 16000

For permanently sealed and secure bonding of the overlaps between sheeting and fleece strips (vapour retarder and airtightness membranes, roof underlay and wall lining membranes) and for joints between these. Also suitable for bonding butt joints between wood-based panels. Joint adhesive tape for surfaces protected with SOLITEX ADHERO.

Advantages

- ✔ Sticks reliably – even if moisture is present: waterproof SOLID adhesive
- ✔ Particularly durable: Adhesion for 100 years, independently tested and confirmed
- ✔ Subsequent work can be carried out more flexibly: 6 months of outdoor exposure
- ✔ Subsequent work can be started quickly: fleece backing can be plastered over directly
- ✔ Easy to work with: very malleable fleece backing that can be torn off by hand
- ✔ Test winner in April 2012 with the German product-testing foundation 'Stiftung Warentest'
- ✔ Construction in adherence with standards: for airtight bonding in accordance with DIN 4108-7, SIA 180 and RT 2012
- ✔ Excellent values in the hazardous substance test, has been tested according to the ISO 16000 evaluation scheme

Technical data

	Material
Backing	Special PP fleece
Adhesive	Waterproof SOLID adhesive
Release film	Silicone-coated paper
Property	**Value**
Colour	Dark blue
Outdoor exposure	6 months
Bonding requirement non-aged/aged	Test passed
Can be plastered over	Yes
Application temperature	Above -10 °C
Temperature resistance	Permanent -40 °C to +90 °C
Storage	Cool and dry

Supply forms

Length: 30 m; Width: 60, 75, 100, 150 and 200 mm
Split of the release film for 100 mm width: 50 / 50 mm; for 150 mm width: 75 / 75 mm

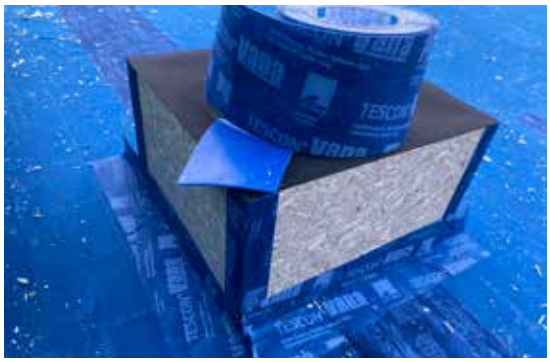
Suggested applications

Sticking membranes to each other.

For joints to adjacent building components such as adjacent walls made of masonry, concrete, timber and wood-based panels.

For creating seals between surface-drainage gullies and SOLITEX ADHERO.

For sealing damaged areas on membranes.



For reliable sealing of penetrations.

TESCON® SPRIMER

Sprayable primer for interior and exterior use

For preparing and strengthening subsurfaces for subsequent adhesion with pro clima adhesive tapes such as TESCON VANA, TESCON PROFECT and adhesive tapes in the EXTOSEAL series. Suitable for wood, wood-fibre boards, masonry, roofs, walls and ground slabs.

Advantages

- ✔ Easy to apply - spray on directly from the can, no contamination of the primer in its container
- ✔ Secure bonds: penetrates deep and strengthens dusty subsurfaces or subsurfaces with insufficient stability
- ✔ Saves time: adhesive tapes can be stuck to absorbent subsurfaces with no drying time
- ✔ Flexible use: can be used on dry and slightly moist subsurfaces
- ✔ At any time of the year: can also be applied during frosty conditions

Technical data

	Material
Product material	Synthetic rubber
Property	**Value**
Colour	Translucent
Application temperature	-5 °C to +40 °C
Temperature resistance	Permanent -25 °C to ~90 °C, short-term up to 100 °C (1 h)
Storage	12 months, free of frost, cool and dry

Supply forms

Art. no. 1AR01114 – contents: 400 ml; tape width (coverage): 60 mm (approx. 20 m), 75 mm (approx. 17 m) and 150 mm (approx. 9 m)
Art. no. 1AR01050 – contents: 750 ml; tape width (coverage): 60 mm (approx. 38 m), 75 mm (approx. 31 m) and 150 mm (approx. 17 m)

Application

Alternative product

TESCON® PRIMER RP

Brush-on, solvent-free primer for interior and exterior use

Further information can be found at:
proclima.com/tescon-primer-rp

SCAN IT

ORCON F

All-round joint adhesive for interior and exterior use

Permanent, elastic joint adhesive. For bonding all types of vapour retarders and vapour barriers, e.g. pro clima INTELLO, PE, PA, PP and aluminium sheeting, and underlay and wall lining membranes to adjacent building components.

Can be stored or applied during frosty conditions

Advantages

- ✔ Reliable adhesion even during frosty conditions: can be worked with above –10 °C
- ✔ Ensures firm and permanently elastic adhesion
- ✔ Ensures reliable joints: penetrates deep into the subsurface, remains elastic
- ✔ Test winner in April 2012 with the German product-testing foundation 'Stiftung Warentest'
- ✔ Construction in adherence with standards: for airtight bonding in accordance with DIN 4108-7, SIA 180 and RT 2012
- ✔ Can be stored down to -20 °C. Material does not freeze in the tube
- ✔ Excellent values in the hazardous substance test, has been tested according to the ISO 16000 evaluation scheme

phA CERTIFIED COMPONENT Passive House Institute

100 YEARS ADHESION
✔ successfully tested
✔ unique worldwide
proclima.com/100years

Tested for hazardous substances according to ISO 16000

Materialgarantie hinterlegt beim ZVDH

Technical data

	Material
Product material	Dispersion based on acrylic acid copolymers and ethanol. No plasticisers or halogens
Property	**Value**
Colour	Green
Properties	High elasticity
Bonding requirement non-aged/aged	Test passed
Application temperature	-10 °C to +50 °C
Temperature resistance	Permanent -40 °C to +80 °C
Storage	Down to -20 °C, cool and dry

Supply forms

310 ml cartridge, coverage: 5 mm line ~15 m; 8 mm line ~6 m
tubular sachet, 600 ml: 5 mm line ~30 m; 8 mm line ~12 m

Sealing to rough subsurfaces, e.g. concrete components, apply a line of adhesive with a thickness of at least d = 5 mm.

ORCON® MULTIBOND

Joint adhesive from a roll for interior and exterior use

Tested for hazardous substances according to ISO 16000

Solvent-free, permanent, elastic, frost-resistant airtight adhesive that can be applied straight from a roll for bonding all types of vapour retarders and vapour barriers.

Advantages

- ✔ Subsequent work can be started quickly: joint adhesive from a roll, no drying time - joint can be subjected to loading immediately
- ✔ Can be used flexibly: sticks in a permanent, reliable manner thanks to waterproof SOLID adhesive
- ✔ Reliable even during frosty conditions: sticks reliably above –15 °C
- ✔ Construction in adherence with standards: for airtight bonding in accordance with DIN 4108-7, SIA 180 and RT 2012
- ✔ Excellent values in the hazardous substance test, has been tested according to the ISO 16000 evaluation scheme

Technical data

	Material
Product material	SOLID acrylate, no plasticisers, solvents, emulgators or preservatives
Release film	Silicone-coated PP film
Property	**Value**
Colour	Translucent green
Width of line of adhesive	11 mm
Thickness of line of adhesive	3 mm
Resistance to moisture	Waterproof
Bonding requirement non-aged/aged	Test passed
Adhesive strength	16 N/cm
Application temperature	Above -15 °C
Temperature resistance	Permanent -40 °C to +100 °C
Storage	Store lying flat in a cool, dry place and protect from direct sunlight

Supply forms

Length: 20 m; Width: 11 mm

Also stick with ORCON MULTIBOND in the case of decking joints in concrete.

ROFLEX 30 – 300

Pipe grommets for interior and exterior use, Ø 30 – 300 mm

For quick, permanently sealed feedthroughs of pipes through the airtightness layer. Also for exterior use, e.g. for underlays or refurbishment vapour retarders. Stick with TESCON VANA.

Advantages

- ✔ Keeps building components dry: quick and simple sealing
- ✔ Reliable seal thanks to TESCON VANA with waterproof SOLID adhesive
- ✔ Reliable even in hot environments: stable at temperatures up to 150 °C
- ✔ Practical handling: pipes can be pushed and pulled through the grommet – the joint remains sealed
- ✔ Extremely flexible and elastic, no protruding sleeve
- ✔ Construction in adherence with standards: for airtight bonding in accordance with DIN 4108-7, SIA 180 and RT 2012
- ✔ Excellent values in the hazardous substance test, has been tested according to the ISO 16000 evaluation scheme

Tested for hazardous substances according to ISO 16000

Technical data

Material	
Product material	EPDM
Property	**Value**
Colour	Black
Outdoor exposure	6 months
Application temperature	Above -10 °C
Temperature resistance	Permanent -40 °C to +150 °C
Storage	Cool and dry

Supply forms

ROFLEX 30 for pipes with ø 30 – 50 mm – length x width: 140 x 140 mm
ROFLEX 50 for pipes with ø 50 – 90 mm – length x width: 140 x 140 mm
ROFLEX 100 for pipes with ø 100 – 120 mm – length x width: 200 x 200 mm
ROFLEX 150 for pipes with ø 120 – 170 mm – length x width: 250 x 250 mm
ROFLEX 200 for pipes with ø 170 – 220 mm – length x width: 300 x 300 mm
ROFLEX 250 for pipes with ø 220 – 270 mm – length x width: 450 x 450 mm
ROFLEX 300 for pipes with ø 270 – 320 mm – length x width: 500 x 500 mm

Application

Pipe feed-throughs can be sealed with the pre-fabricated ROFLEX grommet.

ADHERO Floor Drain

Floor drain as part of the SOLITEX ADHERO system

NEW

Fitting for vertical drainage through the ceiling or roof structure during the construction phase. Installation with connection to a pipe or tube system for temporary drainage of water.

Advantages

- ✔ Quick installation: simply drill through the building component, no cutting necessary
- ✔ Dependable drainage: reliable run-off thanks to extra-flat flange, low fitting height
- ✔ Watertight bonding: transition between SOLITEX ADHERO and floor drain can be sealed with TESCON VANA adhesive tape with SOLID adhesive
- ✔ Time-saving and reliable, defined drainage: connection to pipes and tubes for temporary drainage

Technical data

	Material
Product material	PVC
Property	**Value**
Colour	Grey
Thickness	3.5 mm
Height	320 mm
Outer diameter	Flange: 300 mm
Outer diameter	Pipe: 63 mm

Supply forms

Contents: 1 piece

Application

Install a run-off element for drainage of the surface and stick with TESCON VANA with no folds or creases. A

short-term build-up depth (max. 24 h) of 30 mm must not be exceeded.

KAFLEX mono / duo

Cable grommets for 1 or 2 cables, Ø 4.8–12 mm, for interior and exterior use

For quick, permanently sealed feedthroughs of cables through the airtightness layer. Also for exterior use, e.g. for underlays or refurbishment vapour retarders.

Can be plastered over

phA CERTIFIED COMPONENT Passive House Institute
KAFLEX mono

Tested for hazardous substances according to ISO 16000

Advantages

- ✔ Keeps building components dry: quick and simple sealing
- ✔ Reliable seal thanks to waterproof SOLID adhesive
- ✔ Practical handling: cables can be pushed and pulled through the grommet – the joint remains sealed
- ✔ Extremely flexible and elastic, no protruding sleeve
- ✔ Subsequent work can be carried out more flexibly: 6 months of outdoor exposure
- ✔ Construction in adherence with standards: for airtight bonding in accordance with DIN 4108-7, SIA 180 and RT 2012
- ✔ Excellent values in the hazardous substance test, has been tested according to the ISO 16000 evaluation scheme

Technical data

	Material
Product material	TESCON VANA with EPDM
Adhesive	Waterproof SOLID adhesive
Release film	Silicone-coated paper
Property	**Value**
Colour	Dark blue / black
Outdoor exposure	6 months
Bonding requirement non-aged/aged	Test passed
Can be plastered over	Yes
Application temperature	Above -10 °C
Temperature resistance of EPDM	Permanent -40 °C to +150 °C
Storage	Cool and dry

Supply forms

KAFLEX mono for 1 cable – ø 4.8 – 12 mm – length: 145 mm; width: 145 mm
KAFLEX duo for 2 cables – ø 4.8 – 12 mm – length: 145 mm; width: 145 mm

Application

cables can be sealed with the pre-fabricated KAFLEX mono, KAFLEX duo or KAFLEX post grommets.

Note on installation

Installation video
KAFLEX mono / duo:

The pro clima mini-max principle
Maximum impact with a minimum of products

The pro clima core system consists of just these few products. With these products, you will have a reliable solution available to you for almost all your construction needs. And if you have to contend with special requirements, you can always make use of pro clima's full range.

Airtight membrane
INTELLO PLUS

ETA – 18 / 1146

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Passive House Institute

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Corner bonding
TESCON PROFECT

SENTINEL HAUS INSTITUT

Roof underlay
SOLITEX PLUS

Nail sealing
TESCON NAIDECK

Primers
TESCON SPRIMER
TESCON PRIMER RP

Liquid seals
AEROSANA VISCONN

pro clima partners

pro clima is a pioneer in intelligent air sealing. We are active all around the world and provide complete sealing systems for interior and exterior use that include intelligent membranes and bonding agents – all backed up by quality assurance and comprehensive service.

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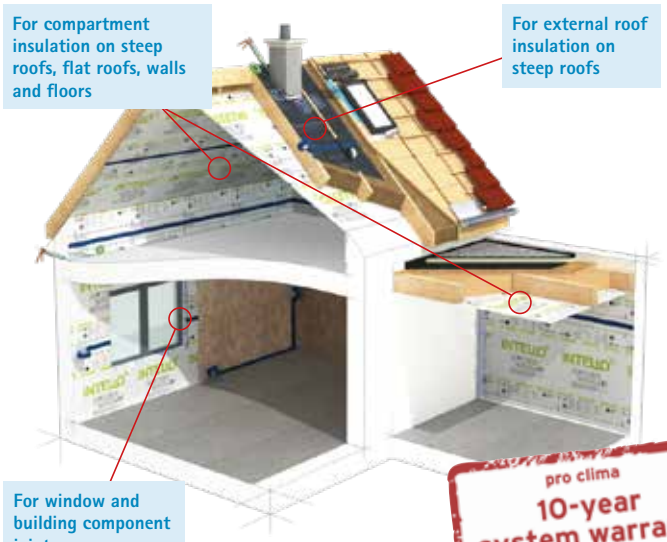
Notes

Notes

Additional system solutions for sealing the building envelope

Interior air sealing for new buildings



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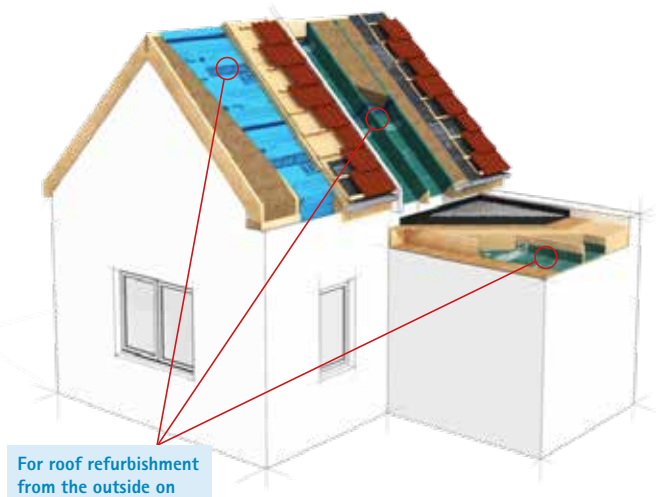
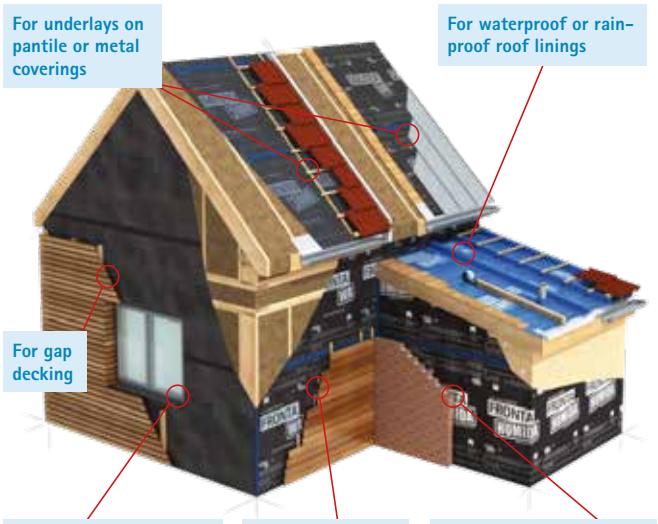
Interior air sealing for refurbishment projects



Exterior wind sealing for roofs and walls



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