



# External weathertightness

Roofing underlays

Breather membranes

Timber protection

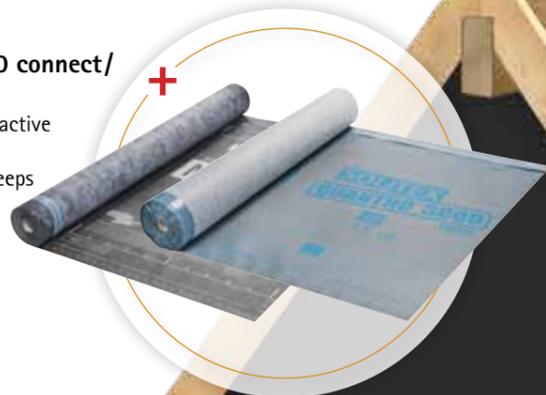


Reliable solutions for sealing building envelopes

### Roofing underlays

#### SOLITEX QUANTHO 3000 connect/ SOLITEX MENTO

Roofing underlay system with active moisture transport: Provides protection against wind and keeps the underlying structure dry  
Pages 12/14



### Breather membranes

#### SOLITEX FRONTA

All breather membranes (WRBs) for use behind rainscreen cladding  
From page 26



For example:

#### SOLITEX FRONTA QUATTRO FB

Flame-resistant breather membrane (WRB) for open-jointed cladding with gap widths up to 35 mm (1 3/8")  
Page 26

Fire class B



#### Two all-rounders for interior and exterior use

Adhesive tape  
TESCON VANA



Adhesive sealant  
ORCON F



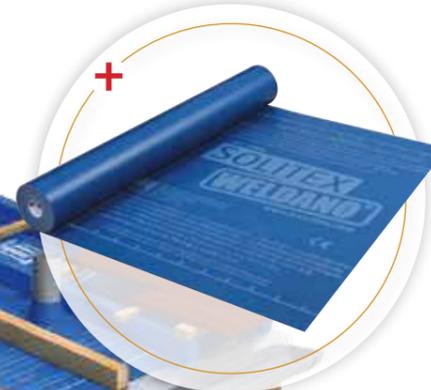
#### SOLITEX UM connect

Roofing underlay system for increased noise insulation and moisture protection underneath metal roof coverings  
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### Weldable rainproof/ waterproof underlays

#### SOLITEX WELDANO 3000

Diffusion-open, homogeneously weldable roofing underlay for rainproof/watertight sub-roofs  
Page 18



### Timber protection

#### SOLITEX ADHERO

System with full-surface adhesive airtightness and weathering-protection membranes  
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## pro clima SOLITEX system Best possible protection for roofs and walls

+ Ensures well-protected building components: highly diffusion-open and maximum protection against driving rain

+ Dry building components: pore-free TEEE functional film actively transports moisture to the outside

+ Permanent protection thanks to the high resistance to ageing and heat of the TEEE functional film

+ Maximal flexibility in planning construction schedules thanks to up to 6 months of outdoor exposure



+ SOLITEX MENTO PLUS / ULTRA: extremely robust thanks to reinforcement: suitable for blown-in insulation materials

+ Optimal insulation effectiveness thanks to windtightness

+ High degree of protection for building structures during the construction phase: suitable as a temporary covering during the construction period

+ SOLITEX MENTO ULTRA: high degree of occupational safety, even for large-sized roof tiles, in accordance with the requirements of DIN 4426 »Equipment for protection against falls on roofs«

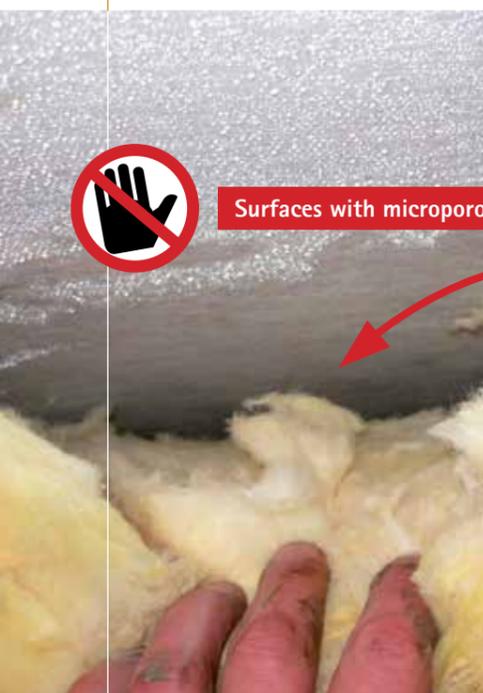


### + Silver Bark House, Co. Down, Northern Ireland

Sleek, timber-clad home built to passive house standards. The architects and developer won the prestigious overall award in the Sustainability category at the 2023 RIAI Architecture Awards for this project.

Developer:	FourSeven Ltd.
Architects:	Marshall McCann Architects
Timber construction:	Fallis Passive Design & Build
Building type:	Residential
Airtightness:	Ecological Building Systems
Weathering protection:	SOLITEX ADHERO 1000, TESCON VANA

## pro clima actively transports moisture to the outside



Surfaces with microporous membranes: Moisture



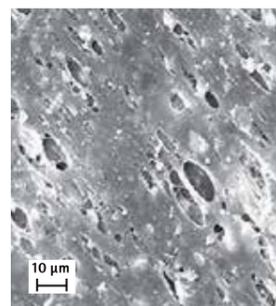
One roof, the same conditions, different results

Surfaces with monolithic membranes: Dry

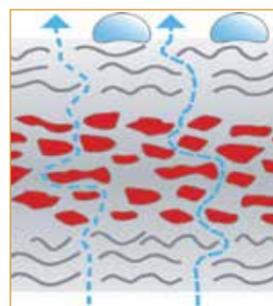


### Conventional technology: Micropore membranes

No active moisture transport = Damp structure



Microscopic image of a conventional underlay membrane. Porous membranes allow moisture to escape by means of convective flow. Pores offer only moderate reliability for diffusion and watertightness against driving rain.



#### Micropores in a functional film:

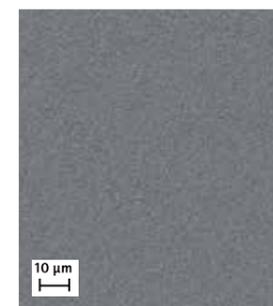
- ✗ Conventional protection against driving rain
- ✗ Passive moisture transport
- ✗ Large vapour partial pressure gradient required
- ✗ Wet membrane becomes more closed to diffusion



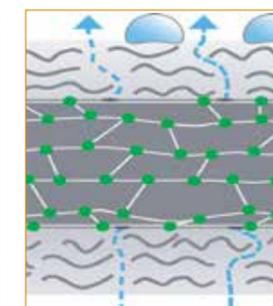
In the case of conventional PP membranes with micropores, water vapour passes to the outside through tiny holes. If a lot of vapour has to pass through, a film of moisture may form on the inside of the membrane. As a result, the membrane becomes more watertight and moisture damage may potentially occur. Moisture transport to the outside is a passive process that only works if there is a relatively high partial pressure gradient for water vapour. However, this is not always the case on modern, well-insulated structures. There is protection against water from the outside as water drops are too large and cannot enter through the pores due to their surface tension. However, if there is driving rain or if solvents or substances contained in wood reduce this surface tension, significant amounts of water can penetrate into the thermal insulation and cause mould formation and moisture damage.

### Pore-free SOLITEX technology for greater protection

Active moisture transport = Dry structure, no condensation



A monolithic, pore-free SOLITEX membrane viewed at the same magnification. The monolithic membrane reliably facilitates active diffusion and ensures particularly good watertightness against driving rain.



#### Pore-free SOLITEX membrane:

- ✓ Maximum protection against driving rain
- ✓ Water column up to 10,000 mm (32' 10")
- ✓ Active moisture transport
- ✓ Minimal vapour partial pressure gradient required
- ✓ Wet membrane becomes more open to diffusion
- ✓ No 'tent effect'
- ✓ Can be used as a temporary covering



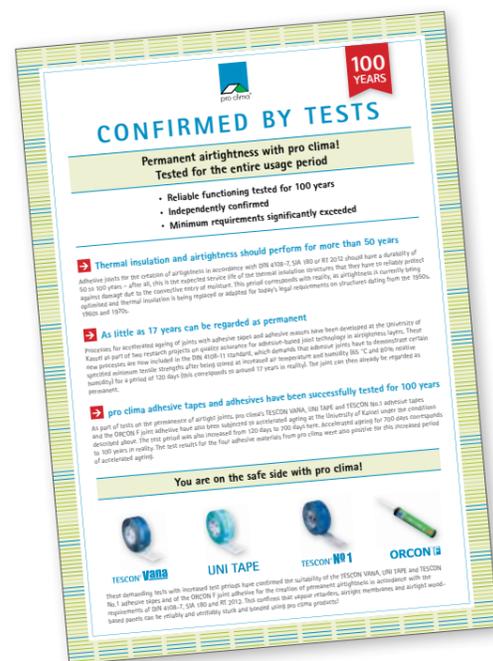
Pore-free membranes actively transport moisture to the outside – the more moisture is present, the faster it is transported. Their diffusion resistance drops in this case. Only a minimal partial pressure gradient for water vapour is required for moisture transport. The particularly high protection against driving rain results from the fact that there are no pores present. High impact speeds or water drops with reduced surface tension are also not a problem for the SOLITEX underlay system.

## Adhesion for 100 years – Reliable adhesion that lasts as long as the building itself!



The adhesive bonds created when implementing the interior airtightness and exterior weathertightness layers must be reliable and durable. This applies both to the overlaps of membranes with one another and also to the joints between membranes and any penetrations or adjacent building components. Adhesion is important because these two sealing layers ensure that the thermal insulation structure will perform effectively and, at the same time, is protected against mould and moisture damage. And everything should of course continue to work properly in the long term – ideally for the entire service life of the building component, meaning at least 50 years. There is large variability in terms of the quality levels that can be found on the marketplace – unfortunately including some products that are barely fit for purpose.

But how can you identify a good adhesive tape? To provide even more reassurance in this regard, we have had the pro clima adhesive tapes TESCON VANA, TESCON No.1, UNI TAPE and the ORCON F adhesive sealant tested independently by the University of Kassel in Germany. These four pro clima adhesive products are the only products that have demonstrated 100 years of adhesive performance in these tests. This is a unique achievement for all products worldwide. As a result, building structures are better protected in the long term.



**100 YEARS  
ADHESION**

✓ successfully tested  
✓ unique worldwide

TESCON VANA · TESCON No.1 · UNI TAPE · ORCON F

[proclima.com/100years](http://proclima.com/100years)

### Reliable even in the presence of moisture

Vapour control or underlay membranes can easily become damp or even properly wet during installation. Rain or the formation of condensation on building component surfaces are unavoidable features of everyday reality on building sites. Anybody who doesn't wish to compromise in terms of the durability of adhesive bonds or the practicalities of installation procedures should opt for TESCON adhesive tapes. The water-resistant pro clima SOLID acrylate adhesive guarantees reliable adhesive bonds for both interior and exterior applications – even in damp or wet conditions.



### More information on this topic:

Reliable adhesion – How do adhesives work?  
[proclima.info/en/reliable-adhesion](http://proclima.info/en/reliable-adhesion)



## Reliability even in damp or wet conditions

The water-resistant SOLID adhesive ensures quick and permanent joints with the subsurface – for both interior and exterior applications. The joints created are immediately sealed and can be subjected to loading. This facilitates:

- Reliable airtightness even with increased humidity – as typically encountered during the construction phase as a result of plastering or the installation of screed
- Reliable weathertightness on roofs and facades, even in rainy weather or wet conditions



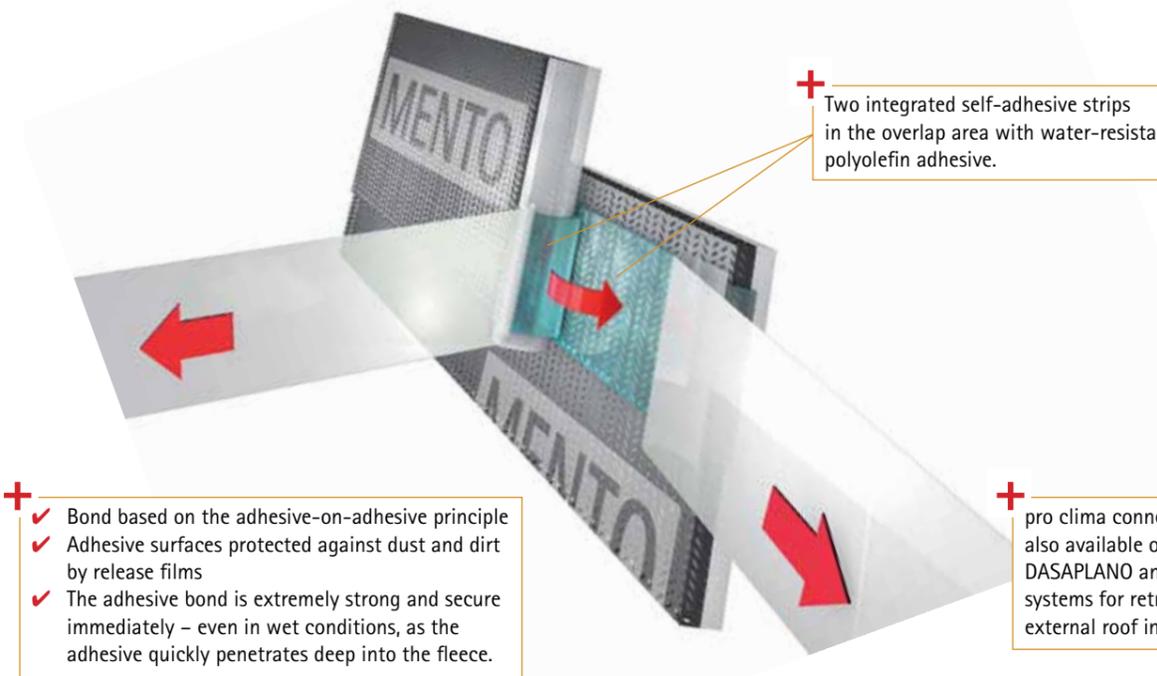
Water-resistant SOLID adhesive

[vimeo.com/503067958](https://vimeo.com/503067958)



TESCON VANA is being stuck to a piece of SOLITEX MENTO roofing underlay membrane under water here. When a mechanical load is applied as a test, the fleece layer of the underlay membrane tears internally ('failure of the substrate'). The adhesive bond itself is still intact!

## Quicker reliable sealing with pro clima connect technology



- ✓ Bond based on the adhesive-on-adhesive principle
- ✓ Adhesive surfaces protected against dust and dirt by release films
- ✓ The adhesive bond is extremely strong and secure immediately – even in wet conditions, as the adhesive quickly penetrates deep into the fleece.



pro clima connect technology is also available on the INTELLO X, DASAPLANO and DA airtightness systems for retrofit projects and external roof insulation.

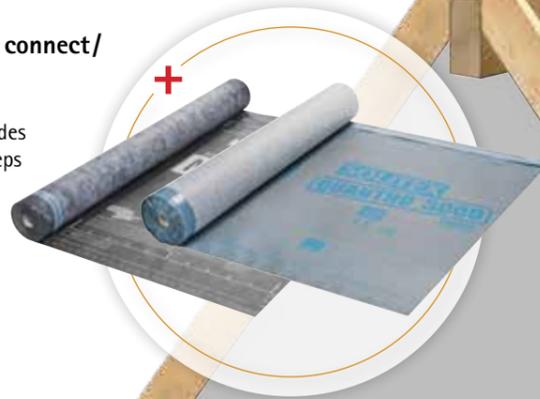
[vimeo.com/503096028](https://vimeo.com/503096028)



## Roofing underlays

### SOLITEX QUANTHO 3000 connect/ SOLITEX MENTO

Roofing underlay system with active moisture transport: Provides protection against wind and keeps the underlying structure dry  
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### SOLITEX UM connect

Roofing underlay system for increased noise insulation and moisture protection underneath metal roof coverings

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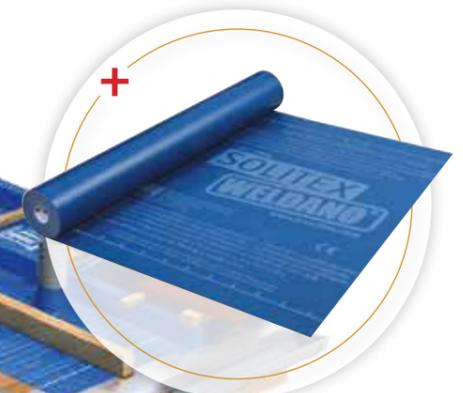


## Weldable rainproof/ waterproof underlays

### SOLITEX WELDANO 3000

Diffusion-open, homogeneously weldable roofing underlay for rainproof/watertight sub-roofs

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### Two all-rounders for interior and exterior use

Adhesive tape  
TESCON VANA



Adhesive sealant  
ORCON F



### High-performance accessories for the SOLITEX WELDANO system

Welding liquid  
WELDANO TURGA /  
WELDANO TURGA HS



Adhesive sealant  
ORCON CLASSIC



Nail-sealing tape  
TESCON NAIDECK



## Roofing underlay membranes, e.g.

### SOLITEX® QUANTHO 3000 connect system

Medium-weight roofing underlay with waterproof self-adhesive strips and self-sealing perforations

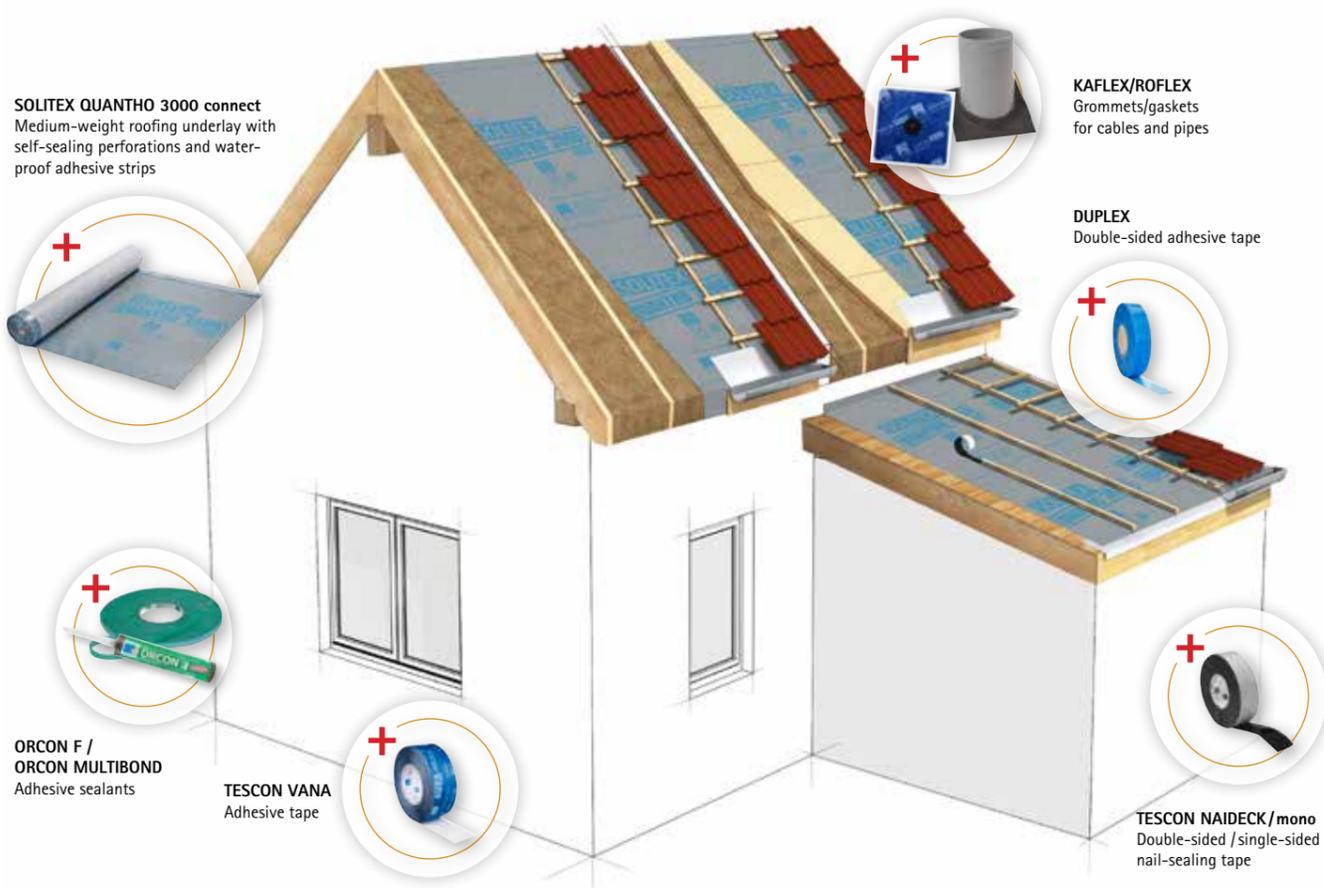
#### Areas of application:

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



#### Advantages:

- ✓ Maximum protection for the roof structure: excellent hail impact resistance as per ETA-23/0532 and the Swiss Association of Cantonal Fire Insurance Institutes (VKF/AEAI) with hail impact resistance class HR 5
- ✓ Efficient installation: serves as a roofing underlay with waterproof seams and self-sealing perforations for roof pitches  $\geq 14^\circ$  (3:12) without the need for additional sealing measures, as per ETA-23/0532
- ✓ Reliable rainproof roofs: serves as a sub-roof underlay for roof pitches  $\geq 10^\circ$  (2.1:12) with TESCON NAIDECK as an additional perforation-sealing measure over rigid substrates
- ✓ Quick waterproof adhesion: with sealing lip at the 'connect' self-adhesive strips on the long edges of the membrane
- ✓ Flexible planning of construction schedules: at least 3 months of outdoor exposure



SOLITEX QUANTHO 3000 connect  
Medium-weight roofing underlay with self-sealing perforations and waterproof adhesive strips

KAFLEX/ROFLEX  
Grommets/gaskets  
for cables and pipes

DUPLEX  
Double-sided adhesive tape

ORCON F /  
ORCON MULTIBOND  
Adhesive sealants

TESCON VANA  
Adhesive tape

TESCON NAIDECK/mono  
Double-sided / single-sided  
nail-sealing tape



## Further information on SOLITEX QUANTHO 3000 connect

- Installation instructions
- Detailed CAD drawings
- And much more:



Underlay with seam and perforation protection.  
No nail-sealing tape required as per ETA.

SOLITEX QUANTHO 3000 connect  
Medium-weight roofing underlay with self-sealing perforations and waterproof adhesive strips



[proclima.info/en/  
solitex-quantho-3000](http://proclima.info/en/solitex-quantho-3000)



#### NEW: The first 3-in-1 roofing underlay

- Excellent hail impact resistance (HR 5)
- Roofing underlay with seam and perforation protection, no nail-sealing tape required as per ETA-23/0532
- Rainproof sub-roof

#### Technical specifications:

Functional film, one side	TPU, monolithic
Backing fleece	Polyester fleece
Self-adhesive strips	Water-resistant SOLID adhesive
Surface weight	EN 1849-2 230 g/m <sup>2</sup> ; 0.75 oz/ft <sup>2</sup>
s <sub>d</sub> value	EN ISO 12572 0.16 m
Outdoor exposure	4 months * / 3 months **
Hail resistance	EN 13583 ETA-23/0532
Hail impact resistance	VKF / AEAI Class HR 5
Tensile strength MD/CD	EN 13859-1 (A) 335 N/5 cm / 355 N/5 cm ; 38 lb/in / 41 lb/in

\* Central/Northern Europe & Canada/Northern US; \*\* Southern Europe, Southern US, rest of world

#### Supply forms:

Length: 50 m (164'); width: 1.50 m (4' 11")

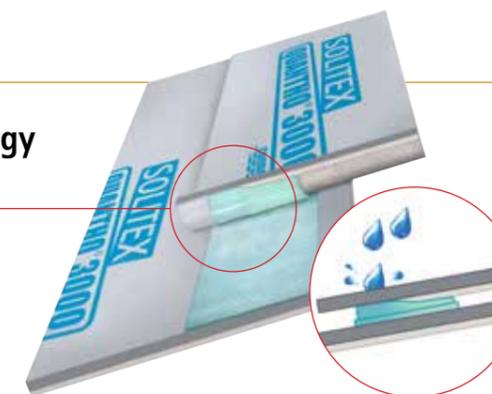


European Technical Assessment  
ETA-23/0532



## Quicker reliable sealing – pro clima connect technology With innovative sealing lip to protect against the capillary effect

- ✓ Bond based on the adhesive-on-adhesive principle
- ✓ Adhesive surfaces protected against dust and dirt by release films
- ✓ Adhesive bond is extremely strong and secure immediately – even in wet conditions
- ✓ New sealing lip principle protects against seepage



## Roofing underlay membranes, e.g.

### SOLITEX MENTO® 3000 system

Medium-weight roofing underlay membrane, also available with self-adhesive strips

#### Areas of application:

For use as a diffusion-open roofing underlay over roof sheathing, MDF and wood-fibre underlay panels, and over all mat or panel-shaped thermal insulation materials.

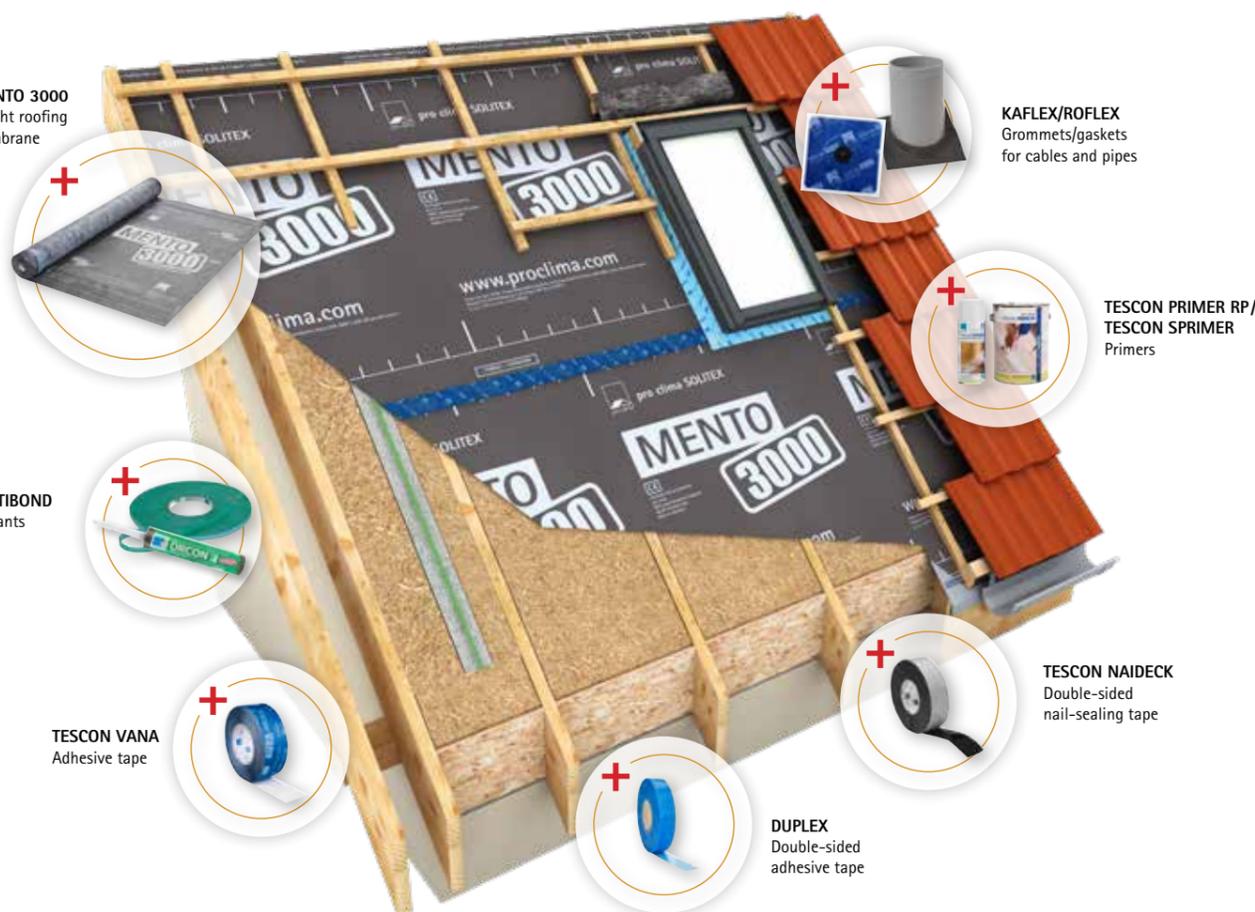


#### Advantages:

- ✓ Flexible planning of construction schedules thanks to 4 months of outdoor exposure
- ✓ Well-protected building components: highly diffusion-open and maximum protection against driving rain and hail
- ✓ Dry building components: pore-free TEEE functional film actively transports moisture to the outside
- ✓ Permanent protection thanks to the high resistance to ageing and heat of the TEEE functional film
- ✓ Provides protection during the construction period: suitable as a temporary covering



SOLITEX MENTO 3000  
Medium-weight roofing underlay membrane



ORCON F /  
ORCON MULTIBOND  
Adhesive sealants

TESCON VANA  
Adhesive tape

DUPLEX  
Double-sided  
adhesive tape

KAFLEX/ROFLEX  
Grommets/gaskets  
for cables and pipes

TESCON PRIMER RP/  
TESCON SPRIMER  
Primers

TESCON NAIDECK  
Double-sided  
nail-sealing tape

#### Technical specifications:

		SOLITEX MENTO 1000	SOLITEX MENTO 3000
Protective and covering fleece		Polypropylene microfibre	Polypropylene microfibre
Functional film		TEEE, monolithic	TEEE, monolithic
Surface weight	EN 1849-2	115 g/m <sup>2</sup> ; 0.38 oz/ft <sup>2</sup>	150 g/m <sup>2</sup> ; 0.50 oz/ft <sup>2</sup>
s <sub>d</sub> value	EN ISO 12572	0.05 m	0.05 m
Outdoor exposure		3 months	4 months
Tensile strength MD/CD	EN 13859-1 (A)	220 N/5cm / 170 N/5cm ; 25 lb/in / 19 lb/in	280 N/5cm / 220 N/5cm ; 32 lb/in / 25 lb/in
Durability after artificial ageing	EN 1297 / EN 1296	Passed	at 120 °C ; 248 °F: Passed
Temperature resistance	EN 1109, EN 1296, EN 1297	Permanent -40 °C to +100 °C ; -40 °F to 212 °F	Permanent -40 °C to +120 °C ; -40 °F to 248 °F



SOLITEX MENTO  
3000, 5000, PLUS,  
ULTRA



	SOLITEX MENTO 5000	SOLITEX MENTO PLUS	SOLITEX MENTO ULTRA
Protective and covering fleece	Polypropylene microfibre	Polypropylene microfibre	Polypropylene microfibre
Functional film	TEEE, monolithic	TEEE, monolithic	TEEE, monolithic
Surface weight	215 g/m <sup>2</sup> ; 0.70 oz/ft <sup>2</sup>	175 g/m <sup>2</sup> ; 6.23 oz/ft <sup>2</sup>	200 g/m <sup>2</sup> ; 6.23 oz/ft <sup>2</sup>
s <sub>d</sub> value	0.08 m	0.08 m	0.15 m
Outdoor exposure	6 months	4 months	4 months
Tensile strength MD/CD	350 N/5cm / 270 N/5cm ; 40 lb/in / 31 lb/in	430 N/5cm / 330 N/5cm ; 49 lb/in / 38 lb/in	780 N/5cm / 490 N/5cm ; 89 lb/in / 56 lb/in
Durability after artificial ageing	Passed	at 120 °C ; 248 °F: Passed	Passed
Temperature resistance	Permanent -40 °C to +120 °C ; -40 °F to 248 °F	Permanent -40 °C to +100 °C ; -40 °F to 212 °F	Permanent -40 °C to +100 °C ; -40 °F to 212 °F

#### Supply forms:

Length: 50 m (164'); width: 1.50 m (4' 11"); 3.00 m (9' 10")



Suitable for blown-in insulation  
Occupational safety as per DIN 4426

SOLITEX MENTO ULTRA  
Reinforced roofing underlay with  
high tear resistance



Underlay with seam and perforation protection.  
No nail-sealing tape required as per ETA.

SOLITEX QUANTHO 3000 connect  
Medium-weight roofing underlay with self-sealing  
perforations and waterproof adhesive strips

## All roofing underlay membranes and further information on SOLITEX MENTO 3000

- Installation videos
- Detailed CAD drawings
- And much more:



[proclima.info/en/underlays](http://proclima.info/en/underlays)



SOLITEX MENTO 1000  
Light-weight roofing underlay, outdoor exposure: 3 months



SOLITEX MENTO 3000  
Medium-weight roofing underlay outdoor exposure: 4 months



Outdoor exposure: 6 months

SOLITEX MENTO 5000  
Heavy-weight roof underlay



Suitable for blown-in insulation

SOLITEX MENTO PLUS  
Reinforced roofing underlay

## Roofing underlay for metal roof coverings

### SOLITEX® UM connect system

Roofing underlay membrane with 3D separation mesh and self-adhesive strips

#### Areas of application:

For use as a roofing underlay or facade membrane for ventilated and non-ventilated structures in combination with all roof and facade materials such as titanium zinc, aluminium, stainless steel, galvanised steel, copper etc. Fibrous membranes offer greater protection for structures and are recommended by leading providers of metal roofs for this reason. The 8 mm (5/16") thick 3D separation mesh made of fibrous PP protects the covering against waterlogging and dampens noise caused by rain or hail.



#### Advantages:

- ✓ Highest possible durability and thermostability thanks to the TEEE functional film
- ✓ Reliable drying out: highly permeable ( $s_d$  value = 0.05 m ; g value = 0.25 MN·s/g ; 65 US perms)
- ✓ Protects against corrosion and ensures improved noise insulation thanks to the 3D separation mesh
- ✓ Dry building components thanks to pore-free TEEE functional film that is resistant to driving rain
- ✓ Up to 3 months of outdoor exposure
- ✓ Quick and reliable adhesion thanks to the integrated 'connect' self-adhesive strips on the long edges of the membrane



### Further information on SOLITEX UM connect

- Installation videos
- Detailed CAD drawings
- And much more:



SOLITEX UM connect  
Roofing underlay membrane with  
3D separation mesh and self-adhesive strips



#### Technical specifications:

Protective and covering fleece		Polypropylene microfibre
Functional film		TEEE, monolithic
Surface weight	EN 1849-2	420 g/m <sup>2</sup> ; 1.38 oz/ft <sup>2</sup>
$s_d$ value	EN ISO 12572	0.05 m
Outdoor exposure		3 months
Tensile strength MD/CD	EN 13859-1 (A)	220 N/5cm / 170 N/5cm ; 25 lb/in / 19 lb/in
Temperature resistance		Permanent -40 °C to +100 °C ; -40 °F to 212 °F

#### Supply forms:

Length: 25 m (82'); width: 1.50 m (59")

## Weldable rainproof/waterproof roofing underlays

### SOLITEX WELDANO® 3000 system

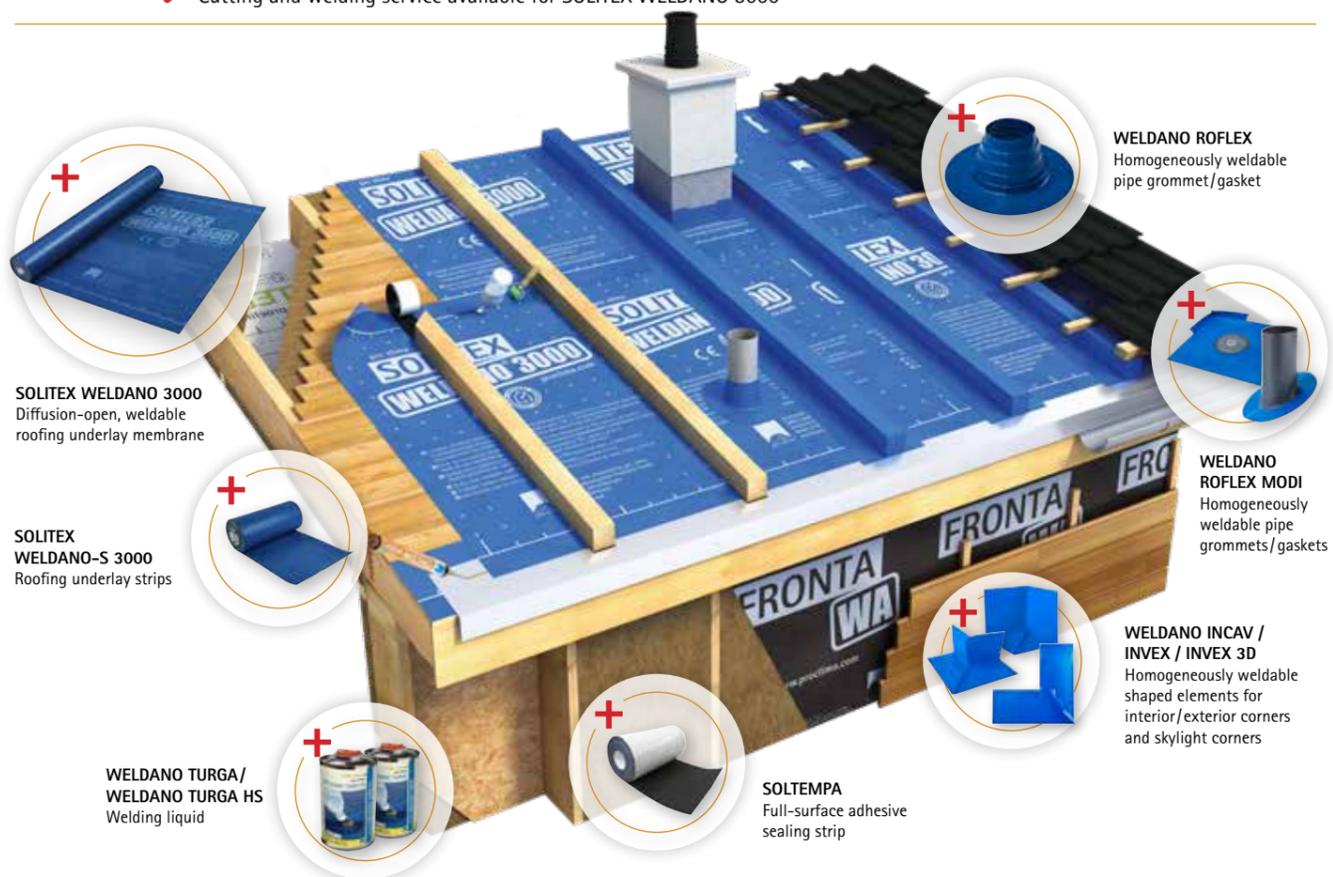
Diffusion-open, weldable roofing underlay membrane

#### Areas of application:

For use as a 3-ply diffusion-open, homogeneously weldable, rainproof/watertight roofing underlay membrane. Suitable for installation over pressure-resistant substrates, e.g. timber sheathing, wood-based panels and wood-fibre underlay panels, and under roof-integrated solar panels.

#### Advantages:

- ✓ Reliable seam sealing: homogeneously weldable
- ✓ Suitable for use under roof-integrated solar panels\*
- ✓ Excellent occupational safety: non-slip and abrasion-resistant surface
- ✓ Protects structural elements against dampness: diffusion-open, rainproof against driving rain and hail-resistant (HR 5)
- ✓ Easy to work with: robust with extremely high tear-resistance
- ✓ Suitable as a sub-roof underlay to fulfil the most stringent requirements
- ✓ Also keeps structural elements dry during the construction phase: excellent protection against driving rain thanks to monolithic membrane
- ✓ Cutting and welding service available for SOLITEX WELDANO 3000



SOLITEX WELDANO 3000  
Diffusion-open, weldable  
roofing underlay membrane

SOLITEX  
WELDANO-S 3000  
Roofing underlay strips

WELDANO TURGA/  
WELDANO TURGA HS  
Welding liquid

SOLTEMPA  
Full-surface adhesive  
sealing strip

WELDANO ROFLEX  
Homogeneously weldable  
pipe grommet/gasket

WELDANO  
ROFLEX MODI  
Homogeneously  
weldable pipe  
grommets/gaskets

WELDANO INCAV /  
INVEX / INVEX 3D  
Homogeneously weldable  
shaped elements for  
interior/exterior corners  
and skylight corners



Install pre-prepared roofing underlays more quickly and conveniently with the pro clima cutting and welding service

NEW: Also suitable for use under roof-integrated solar panels\*

\*These panels have to be watertight and UV-impermeable.

#### Technical specifications:

Functional film, both sides		TPU, monolithic
Backing fleece		Polyester
Surface weight	EN 1849-2	350 g/m <sup>2</sup> ; 1.15 oz/ft <sup>2</sup>
s <sub>d</sub> value	EN ISO 12572	0.18 m
Outdoor exposure		6 months ** / 4 months ***
Driving rain test	TU Berlin, GHS	Passed
Hail impact resistance	VKF / AEAI	Class HR 5
Tensile strength MD/CD	EN 13859-1 (A)	320 N/5cm / 400 N/5cm ; 37 lb/in / 46 lb/in

\*\* Central/Northern Europe & Canada/Northern US \*\*\* Southern Europe, Southern US, rest of world

#### Supply forms:

Length: 25 m (82'); 50 m (164'); 400 m (1312'); width: 1.50 m (4' 11"); 3.00 m (9' 10")

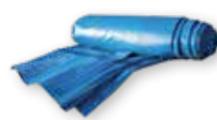


## Further information on SOLITEX WELDANO 3000

- Installation videos
- Detailed CAD drawings
- And much more:



SOLITEX WELDANO 3000  
Diffusion-open, weldable roofing  
underlay membrane



SOLITEX WELDANO 3000  
Cutting and welding service

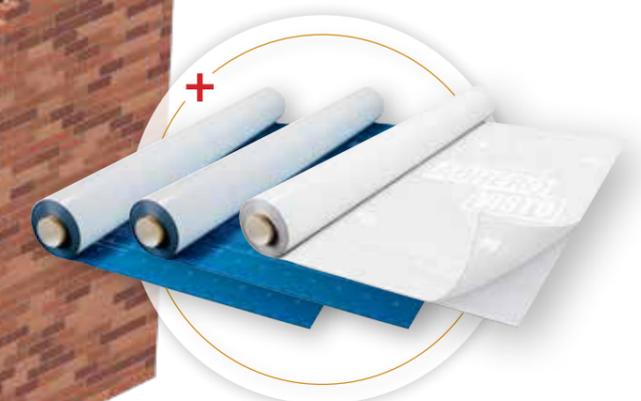
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solitex-weldano-3000](http://proclima.info/en/solitex-weldano-3000)



[proclima.info/en/  
solitex-weldano-3000/caws](http://proclima.info/en/solitex-weldano-3000/caws)



## Temporary weather protection for timber during construction



**SOLITEX ADHERO**  
System with full-surface adhesive airtightness and weathering-protection membranes  
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Two all-rounders for interior and exterior use

Adhesive tape  
TESCON VANA



Adhesive sealant  
ORCON F



## Weather protection concept during the construction phase

### SOLITEX® ADHERO

Full-surface adhesive airtightness and weathering-protection membranes

#### Areas of application:

Temporary protection for floors during construction: Thanks to their full-surface adhesion, these membranes provide temporary protection for intermediate floors on multi-storey CLT (cross-laminated timber) or wooden-frame buildings during the construction period. Pitched roofs and walls (SOLITEX ADHERO 1000 and 3000): These membranes allow 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, they also fulfil the requirements of the Central Association of the German Roofing Trade (ZVDH) for an underlay and for temporary coverings for the specified time periods.



#### Advantages:

- ✓ Protects the structure: maximum protection against driving rain
- ✓ For safe, practical construction work: robust and anti-slip surface
- ✓ Easy and reliable installation thanks to split release film – adheres immediately to substrates that have sufficient stability
- ✓ SOLITEX ADHERO 3000 / VISTO: Reliable sticking of membrane overlaps thanks to water-resistant SOLID adhesive
- ✓ Permanent protection thanks to the high resistance to ageing and heat of the membranes
- ✓ Up to 5 months of outdoor exposure

SOLITEX ADHERO 1000/3000/VISTO



ORCON F / ORCON MULTIBOND Adhesive sealants

Also available: Transparent membrane

TESCON VANA Adhesive tape

AEROSANA VISCONN Sprayable airtightness sealant

KAFLEX/ROFLEX Grommets/gaskets for cables and pipes

TESCON PRIMER RP/ TESCON SPRIMER Primers

ADHERO Floor Drain as part of the SOLITEX ADHERO system

Also available: Transparent membrane



#### Technical specifications:

Also available: Transparent membrane

	SOLITEX ADHERO 1000	SOLITEX ADHERO 3000	SOLITEX ADHERO VISTO
Protective and covering fleece	Polypropylene microfibre	Polypropylene microfibre	–
Fleece	–	–	Polypropylene
Functional film	TEEE, monolithic	TEEE, monolithic	Polyethylene copolymer
Adhesive	Special acrylate adhesive	Water-resistant SOLID adhesive	Water-resistant SOLID adhesive
Surface weight	180 g/m <sup>2</sup> ; 0.59 oz/ft <sup>2</sup>	240 g/m <sup>2</sup> ; 0.79 oz/ft <sup>2</sup>	210 g/m <sup>2</sup> ; 0.69 oz/ft <sup>2</sup>
s <sub>p</sub> value	0.30 m	0.40 m	3.00 m
Outdoor exposure, pitched roofs*/walls	3 / 3 months	4 / 5 months	–
Outdoor exposure, temp. protection for floors	28 days	28 days **	3 months *** / 6 weeks ****
Hail impact resistance, pitched roofs/closed facades	Class HR 5	Class HR 5	–
Hail impact resistance, floors/walls	Passed	Passed / Class HR 4	Passed / Class HR 5

\* Pitched roofs with pitch ≥14° (3:12)

\*\* 42 days after consultation with pro clima Technical Support

\*\*\* Central/Northern Europe & Canada/Northern US

\*\*\*\* Southern Europe, Southern US, rest of world



#### Supply forms:

Length: 30 m (98' 5"); width: 0.30 m (11 3/4"); 0.50 m (19 5/8"); 1.00 m (39 3/8"); 1.50 m (59")

## Further information on SOLITEX ADHERO

- Installation videos
- Detailed CAD drawings
- And much more:



**SOLITEX ADHERO 1000**  
Light-weight full-surface adhesive, diffusion-open airtightness and weathering-protection membrane



**SOLITEX ADHERO 3000**  
Medium-weight full-surface adhesive, diffusion-open airtightness and weathering-protection membrane



Also available: Transparent membrane  
**SOLITEX ADHERO VISTO**  
Transparent full-surface adhesive airtightness and weathering-protection membrane

[proclima.info/en/temporary-protection](http://proclima.info/en/temporary-protection)



#### German Social Accident Insurance (DGUV) certification for anti-slip surfaces



SOLITEX ADHERO 1000



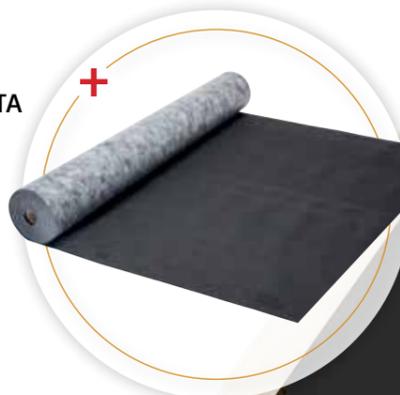
SOLITEX ADHERO 3000



SOLITEX ADHERO VISTO

# Breather membranes for exterior walls

**SOLITEX FRONTA PENTA**  
Breather membrane (WRB) system for facades with open-jointed cladding with a gap width of up to 50 mm (2")  
Page 26



**SOLITEX FRONTA QUATTRO**  
Breather membrane (WRB) system for facades with open-jointed cladding with a gap width of up to 35 mm (1 3/8")  
Page 26



**SOLITEX FRONTA QUATTRO FB**  
Flame-resistant breather membrane (WRB) for open-jointed cladding with a gap width of up to 35 mm (1 3/8")  
Page 26

Fire class B



Three all-rounders for interior and exterior use

Adhesive tape  
TESCON VANA



Adhesive tape  
TESCON INVIS



Adhesive sealant  
ORCON F



**SOLITEX FRONTA WA:**  
Breather membranes (WRB) system for closed rainscreen facades  
Page 26



**CONTEGA**  
Window-sealing system for timber and masonry constructions

**SOLITEX ADHERO**  
System with full-surface adhesive airtightness and weathering-protection membranes  
Page 22



**SOLITEX FRONTA HUMIDA**  
Breather membrane (WRB) system for use on timber wall structures behind ventilated pre-wall shells  
Page 26

## Breather membranes (WRBs), e.g. with the

### SOLITEX FRONTA® QUATTRO system

Breather membrane (WRB) for open-jointed cladding with a gap width of up to 35 mm (1 3/8"), also available with self-adhesive strips

#### Areas of application:

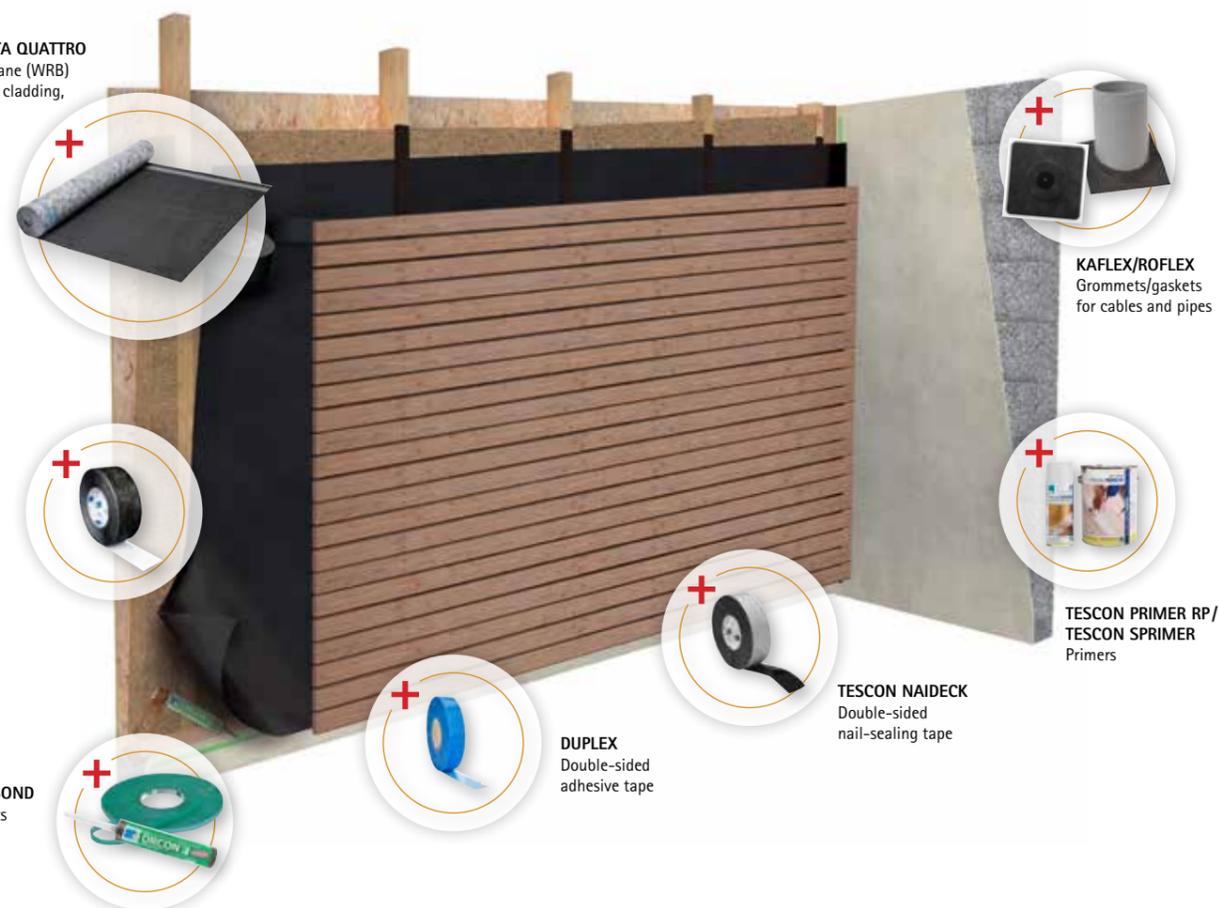
For use as a breather membrane (weather-resistant barrier, WRB) behind closed and open facades (open-jointed cladding up to a gap width of 35 mm (1 3/8")); cladding width = at least 3 x gap width). Installation onto boarding, wood-based panels and all mat or panel-shaped thermal insulation materials.



#### Advantages:

- ✓ Well-protected building components: highly permeable and, at the same time, maximum protection against driving rain
- ✓ Dry building components: pore-free TEEE functional film actively transports moisture to the outside
- ✓ Not visible behind open-jointed cladding: black fleece with printed marking only in the overlap area
- ✓ Highest possible durability and thermostability thanks to the TEEE functional film
- ✓ 6 months of outdoor exposure

**SOLITEX FRONTA QUATTRO**  
Breather membrane (WRB)  
for open-jointed cladding,  
gap width up to  
35 mm (1 3/8")



**ORCON F /  
ORCON MULTIBOND**  
Adhesive sealants

**DUPLEX**  
Double-sided  
adhesive tape

**TESCON NAIDECK**  
Double-sided  
nail-sealing tape

**TESCON PRIMER RP /  
TESCON SPRIMER**  
Primers

**KAFLEX/ROFLEX**  
Grommets/gaskets  
for cables and pipes



#### Technical specifications:

		SOLITEX FRONTA WA	SOLITEX FRONTA HUMIDA
Protective and covering fleece		Polypropylene microfibre	Polypropylene microfibre
Functional film		TEEE, monolithic	Monolithic polymer mixture
Surface weight	EN 1849-2	100 g/m <sup>2</sup> ; 0.38 oz/ft <sup>2</sup>	115 g/m <sup>2</sup> ; 0.33 oz/ft <sup>2</sup>
s <sub>d</sub> value	EN ISO 12572* / EN 1931**	0.05 m*	0.50 m**
Outdoor exposure		3 months	3 months
Tensile strength MD/CD	EN 13859-2 (A)	210 N/5cm / 140 N/5cm ; 24 lb/in / 16 lb/in	220 N/5cm / 150 N/5cm ; 25 lb/in / 17 lb/in
Durability after artificial ageing	EN 1297 / EN 1296	Passed	Passed
Temperature resistance		Permanent -40 °C to +100 °C ; -40 °F to 212 °F	Permanent -40 °C to +100 °C ; -40 °F to 212 °F



	SOLITEX FRONTA QUATTRO	SOLITEX FRONTA QUATTRO FBS	SOLITEX FRONTA PENTA
Protective and covering fleece	Polypropylene microfibre	Polypropylene microfibre	3 x polypropylene microfibre
Functional film	TEEE, monolithic	Monolithic	2 x TEEE, monolithic
Surface weight	180 g/m <sup>2</sup> ; 0.59 oz/ft <sup>2</sup>	145 g/m <sup>2</sup> ; 0.48 oz/ft <sup>2</sup>	280 g/m <sup>2</sup> ; 0.92 oz/ft <sup>2</sup>
s <sub>d</sub> value	0.05 m*	0.08 m*	0.2 m*
Outdoor exposure	6 months	6 months	6 months
Tensile strength MD/CD	290 N/5cm / 220 N/5cm ; 33 lb/in / 25 lb/in	260 N/5cm / 225 N/5cm ; 30 lb/in / 26 lb/in	480 N/5cm / 340 N/5cm ; 55 lb/in / 39 lb/in
Durability after artificial ageing	Passed (for walls with open joints)	Passed (for walls with open joints)	With 10,000 h of UV ageing instead of 5,000 h: Passed (for walls with open joints)
Temperature resistance	Permanent -40 °C to 100 °C ; -40 °F to 212 °F	Permanent -40 °C to 80 °C ; -40 °F to 176 °F	Permanent -40 °C to 100 °C ; -40 °F to 212 °F

#### Supply forms:

Length: 50 m (164'); width: 1.50 m (4' 11"); 3.00 m (9' 10"); SOLITEX FRONTA PENTA also available in L x W: 25 m x 3.00 m (82' x 9' 10")



## Other membranes and further information on SOLITEX FRONTA QUATTRO

- Installation videos
- Detailed CAD drawings
- And much more:



**SOLITEX FRONTA QUATTRO**  
Breather membrane (WRB)  
for open-jointed cladding,  
gap width up to 35 mm (1 3/8")



**SOLITEX FRONTA QUATTRO FB**  
Flame-resistant breather membrane  
(WRB) for open-jointed cladding,  
gap width up to 35 mm (1 3/8")



**SOLITEX FRONTA PENTA**  
Breather membrane (WRB) for  
open-jointed cladding,  
gap width up to 50 mm (2")

Particularly UV-stable for wider cladding gaps



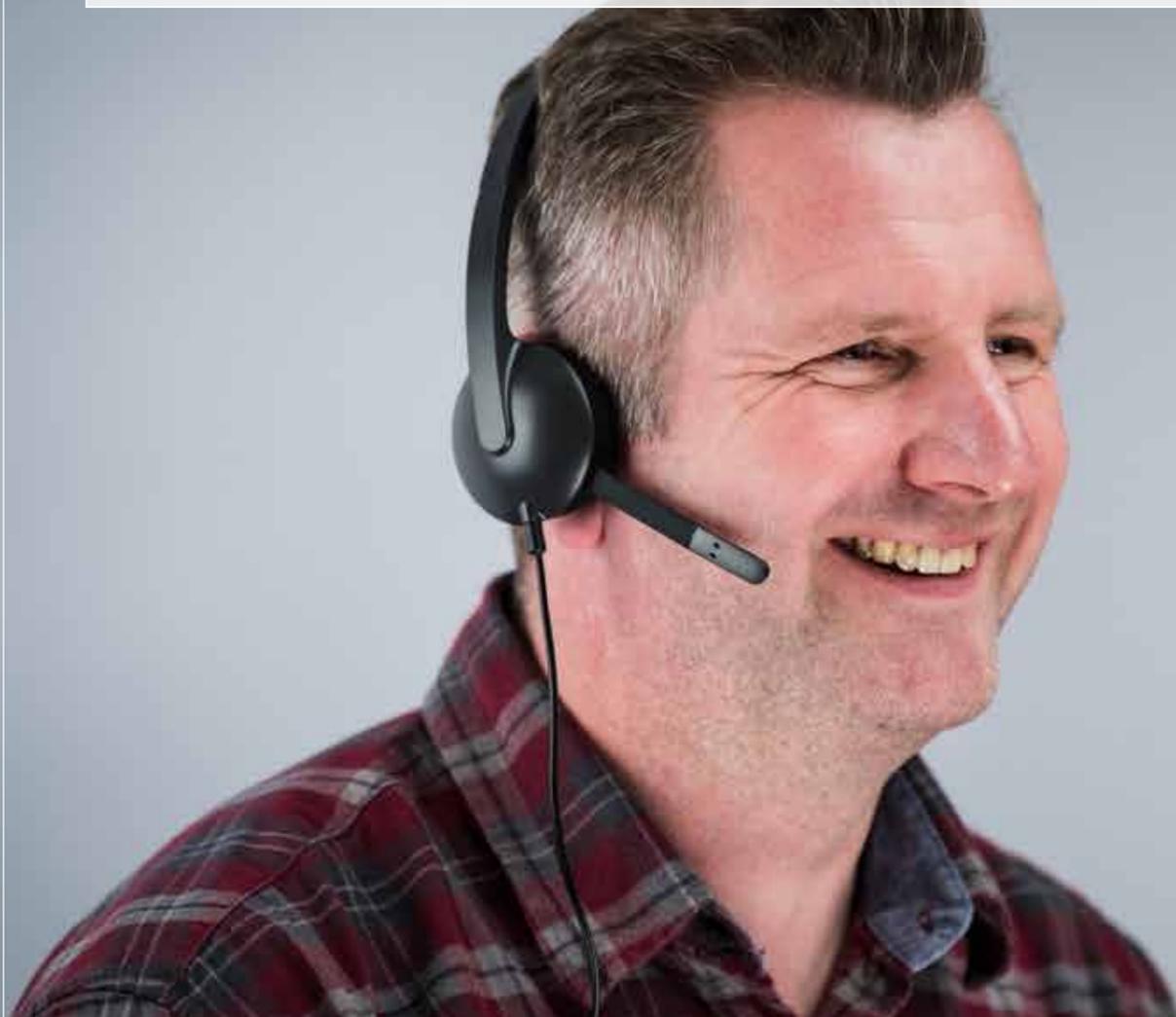
**SOLITEX FRONTA WA**  
Breather membrane (WRB)



**SOLITEX FRONTA HUMIDA**  
Breather membrane (WRB) for use  
behind ventilated pre-wall shells in  
accordance with DIN 68800-2



## Support and advice on technical issues



Quick answers relating to building physics, construction, systems or products. Our engineers from the field of Timber and General Construction can help you quickly and simply in an expert manner and help you find solutions for cost-effective, reliable constructions that will create healthy living environments.

**Phone: +49 6202 2782 45**

**E-mail: [support@proclima.com](mailto:support@proclima.com)**

**[proclima.info/en/technical-support](http://proclima.info/en/technical-support)**

## Technical support



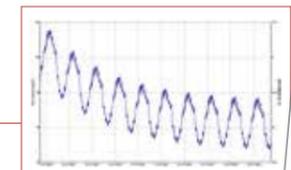
- ✓ Quick answers to your questions relating to building physics
- ✓ Engineers from pro clima's Application Technology department can help you with their specialist knowledge
- ✓ Evaluation of structures and designs
- ✓ Advice on applications and use of systems and products
- ✓ Evaluation and approval of structures and components

## Component tests and building physics assessments

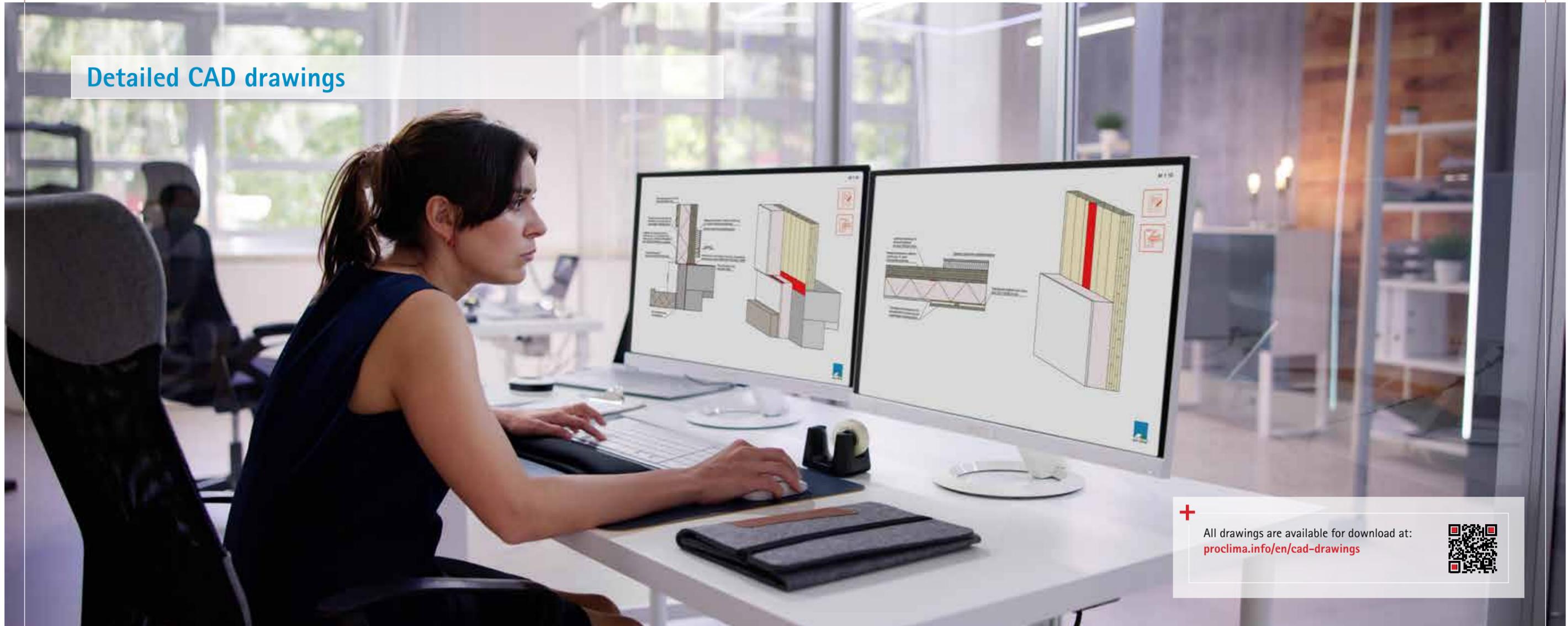
Feel free to contact us with your questions on the moisture-related evaluation of components. We can check and evaluate your building components – including flat-roof structures with complex building physics behaviour – and provide reassurance in terms of your liability as an advisor.

- ✓ Quick, free-of-charge evaluation of the moisture-related behaviour of components
- ✓ Greater reassurance and reduced liability for your advice services
- ✓ Testing and evaluation with building physics software from the Fraunhofer Institute for Building Physics
- ✓ Walls, floors/ceilings, pitched roofs
- ✓ Also for structures with complex building physics behaviour, e.g. flat roofs

Contact us at: [support@proclima.com](mailto:support@proclima.com)



## Detailed CAD drawings

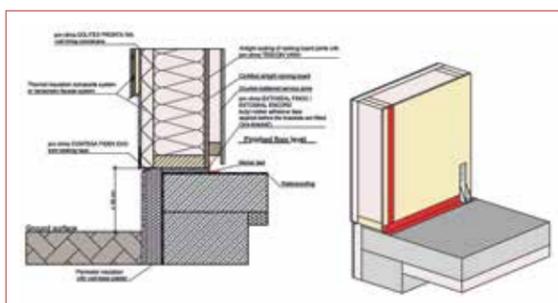


All drawings are available for download at:  
[proclima.info/en/cad-drawings](https://proclima.info/en/cad-drawings)

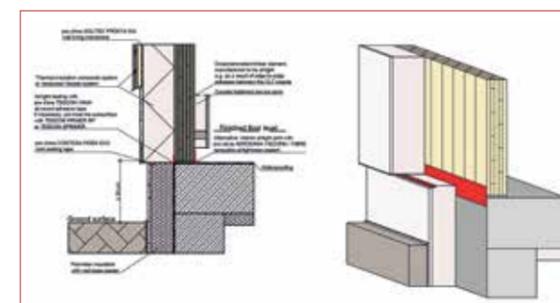


The pro clima database of CAD detail features provides you with a range of suggested solutions for planning and implementing your construction projects. Drawings showing how to achieve airtightness and weathertightness at detail features are available to be downloaded for free in the form of DWG files, DXF files or PDF files. The drawings are grouped by construction type (timber frame and solid timber construction) and by the type of details – for example: base joints, component transitions, pitched roofs, flat roofs, windows and penetrations. A number of variants are available for many of the construction situations.

### Timber Frame Construction detail features



### Solid Timber Construction detail features



## pro clima's Core system products

**Airtightness membrane**  
INTELLO PLUS

**Roofing underlay membrane**  
SOLITEX MENTO 3000

**Nail-sealing tape**  
TESCON NAIDECK

**Adhesive sealant**  
ORCON

**Adhesive tape**  
TESCON VANA

**Pre-folded tape**  
TESCON PROTECT

**Primers**  
TESCON SPRIMER  
TESCON PRIMER RP

**Liquid sealants**  
AEROSANA VISCONN

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

**ETA**  
**CE**  
ETA-18/1146

**phA**  
**CERTIFIED COMPONENT**  
Passive House Institute

**BBA**  
APPROVAL  
CERTIFICATION  
CONSTRUCTION

**NSAI**  
Agrément

### Maximum versatility with our core system 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.

pro clima  
**10 year-  
system-warranty**  
comprehensive · transparent · fair  
proclima.info/en/system-warranty



Further information:  
[proclima.info/en/  
core-products](http://proclima.info/en/core-products)



## You can depend on us – pro clima warranty

You can count on the quality, durability and reliability of the pro clima system. In the unlikely event of problems, however, our comprehensive, transparent and fair warranty will support you:

- + **✓ Comprehensive compensation if defects or damage occur**
- ✓ The warranty period is twice as long as the statutory requirement if products are installed in combination with pro clima system products**
- ✓ Dismantling and removal, disposal, replacement materials and new installation are included in this cover**

We provide the following warranties for the entire pro clima airtightness system, for individual pro clima products in combination with all approved thermal insulation materials, and for the SOLITEX weathertightness system for pitched roofs and facades:

**pro clima**  
**10 year-**  
**system-warranty**  
comprehensive · transparent · fair  
[proclima.info/en/system-warranty](http://proclima.info/en/system-warranty)

### 10-year warranty

... if products are installed solely in combination with pro clima standard products, insofar as products are available within the pro clima system for the relevant application.

### 6-year warranty

... if products are installed in combination with products from third parties.

### + The benefits for you:

- ✓ Systematic coordination of products with one another and also with the relevant subsurfaces.**
- ✓ Selection of connection products and accessories is made easy by the system product recommendations and installation instructions provided by pro clima.**
- ✓ 95% of pro clima products are installed on project sites within three months of first being dispatched from pro clima.**
- ✓ Warranty claims arising from purchase contracts for construction materials and building components generally expire after five years. pro clima offers a system warranty for up to 10 years, which means you can really depend on us!**



The complete scope of this warranty can be found here:  
[proclima.com/products/system-warranty](http://proclima.com/products/system-warranty)



## pro clima EPDs help to deliver sustainability and transparency

As a pioneer in ecological and sustainable construction, we at pro clima have always provided transparent product information. EPDs are the logical next step along this path.

An Environmental Product Declaration (EPD) documents and describes the environmental impact of construction materials, products and components on the basis of their ecobalances and their functional and technical properties. This quantitative, objective, verified information relates to the entire life cycle of the relevant construction product. For this reason, EPDs serve as an important foundation for the assessment of the sustainability of built structures.

pro clima EPDs can be downloaded here:

[proclima.info/en/epd](http://proclima.info/en/epd)



## Inspirational designs from around the world



Here you can find out more about impressive building projects that use pro clima products:  
[proclima.info/en/project-gallery](https://proclima.info/en/project-gallery)



### pro clima Project gallery

From innovative passive house designs in Sweden to the conversion of an old barn into a craft brewery in Canada or circular timber construction methods in Japan – all around the world, architects and project planners are incorporating pro clima solutions into their mould-breaking designs

Examples:

**Kowhai Cabin in Ohakune, New Zealand**



**Mediterranean passive house residence in Barcelona, Spain**



**Waterside passive house in Greenport, Long Island, USA**



**National Library of Australia, Canberra**



## Suppliers and distributors around the world

pro clima is a pioneer in intelligent airtightness. We are active all around the world, supplying complete sealing systems for interior and exterior use – with intelligent membranes, solutions for connections, and a full range of associated services.

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**pro clima – MOLL bauökologische Produkte GmbH**

Rheintalstraße 35–43 · 68723 Schwetzingen · Germany

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proclima.com



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☎ +43 3127 2094 5218  
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be-fr.proclima.com

### Bulgaria

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proclima.info/bulgaria

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V7T 1B9  
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info@475.supply  
ca.475.supply

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### Croatia

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www.pro-clima.cz

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☎ +372 56 509 709  
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www.ecologicalbuilding  
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systems.com

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☎ +39 0473 499 060  
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www.naturalia-bau.it

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☎ +81 50 34 58 – 06 37  
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www.ecotransfer-japan.com

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www.proclima.lv

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France  
☎ +33 1 86 37 00 70

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proclima.info/mexico

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For a list of stockists  
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### New Zealand

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Petone, Lower Hutt 5012  
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www.proclima.co.nz

### Norway

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please visit:  
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### Poland

For a list of stockists  
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### Portugal

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Zona Industrial de Febres, Lote  
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info@eurobuild.pt  
www.eurobuild.pt

### Romania

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www.nzebshop.ro

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www.proclima.sk

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### Spain

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proclima@sistemaspasivos.es  
www.sistemaspasivos.es

### Sweden

For a list of stockists  
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proclima.info/sweden

### Switzerland

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Teichgässlein 9  
4058 Basel  
info@proclima.ch  
www.proclima.ch

### Turkey

For a list of stockists  
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proclima.info/turkey

### USA

475 High Performance  
Building Supply  
369 Warren Street  
Brooklyn, NY 11201  
☎ +1 800 – 995 63 29  
info@475.supply  
www.475.supply

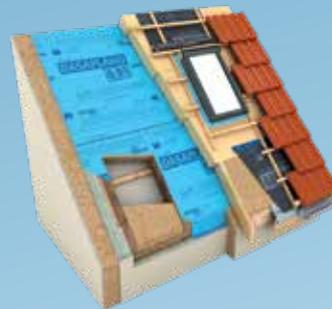
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## Reliable system solutions for sealing building envelopes



The **INTELLO system** ensures well-protected building structures. Hydrosafe high-performance vapour control system with a humidity-variable  $s_d$  value of between 0.25 and over 25 m, DIBt approval for construction in accordance with standards.



**Retrofitting made easy** DASAPLANO combines ease of installation with reliability in service. Airtightness system for roof refurbishment from the outside.



**Practical solutions for window joints** Intelligent sealing tapes create reliable, durable joints between windows/doors and walls. Sealing systems tested by the IFT (Institute for Window Technology) in Rosenheim, Germany, for interior use, exterior use and sub-sill flashing.



**pro clima adhesive technology** creates reliable, durable seals both indoors and outdoors. Dependable adhesive tapes with water-resistant SOLID acrylate technology, solvent-free adhesives and primers, grommets/gaskets and solutions for detail features.

**100 YEARS ADHESION**  
 ✓ successfully tested  
 ✓ unique worldwide  
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