

Application instructions

General conditions

Cracks that are wider than 3 mm (1/8") must be taped over, covered with AEROSANA FLEECE or filled in with a suitable filler. Spraying should be carried out at a distance of approx. 15 cm (8") from the subsurface. Application in a number of layers can be carried out without any need for drying periods between them. Perfect airtightness can only be achieved with a complete AEROSANA VISCONN film with no gaps. Linear joints: The best coverage is achieved when spraying is carried out in two layers. The spraying jet should be at approx. 60° to the subsurface, spraying away from the installer. The second spraying step should then be carried out in the opposite direction. Sealing of surface areas: The best coverage is achieved when one layer is first sprayed on horizontally and then sprayed over vertically in a cross pattern.

AEROFIXX application: The AEROFIXX device is connected to a compressor with a suction flow rate of >300 l/min. The pressure should be set to 6 bar (87 psi). All AEROSANA VISCONN variants in 600 ml (20.3 US fl oz) foil cartridges can be applied using the AEROFIXX device. You can easily switch between line (bead) application and spray application by turning the spray head.

Airless application: Airless diaphragm or piston pumps can be used. The throughput of this equipment should not be less than 1.8 litres/min (60 US fl oz/min). The recommended nozzles for surface application are: 317 to 521 – for detail features: 210. The first digit of the nozzle designation specifies the spray angle in degrees (x 10°), the second and third digits represent the diameter of the nozzle in 0.0xx inches. The pressure is set to ensure a uniform spray finish that is free of streaks. If streaks are visible beside the spray area, increase the spray pressure. If this does not help, clean or replace the filter. The optimal pressure is around 80-150 bar (1200 – 2200 psi), depending on the nozzle used. A mesh size of 60 is recommended for the pistol filter. Stir the material slowly and uniformly before spraying it. Flush the airless device once with clear water and then empty it fully before putting it into service. AEROSANA VISCONN FIBRE and AEROSANA VISCONN FIBRE white cannot be applied using airless sprayers; in this case, use the AEROFIXX application gun.

Layer thickness and drying: The required minimum layer thickness of 500 µm (20 mils) has been achieved when a seamless, slightly wavy surface ('orange peel') is formed on the surface of AEROSANA VISCONN during the spraying process. Cracks and pores in the subsurface must be covered or closed in order to achieve perfect airtightness. This can be done using AEROSANA VISCONN for cracks/pores up to 3 mm (1/8"), with AEROSANA VISCONN FIBRE up to 8 mm (5/16") by spraying or flooding. The thickness should be checked using the measuring gauge at various points across the entire sprayed surface 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 moisture (e.g. rain) until it has fully dried. Immediately after the spraying work has been completed, the airless device is to be cleaned on the outside with water and flushed a number of times until the flushing water is no longer visibly turbid – completely remove any residues of

AEROSANA VISCONN. For additional information (e.g. operating instructions), contact the manufacturer of the airless device.

Protective equipment: The air pressure raises airborne dust. For this reason, it is recommended that installers should wear personal protective equipment consisting of a mask, protective glasses and gloves, even in well-ventilated locations.

Application with a brush: All AEROSANA VISCONN variants can be applied using a brush. To ensure efficient working, the width of the brush should be ≥ 50 mm (2"). Check the minimum layer thickness of 500 µm (20 mils) using a measuring gauge. **Storage:** If this product has been in storage for a longer period, water (~5%) can be mixed into it to achieve a consistency that is suitable for spraying. Do not dilute the sealant material too much (risk of excessive flow and poor coverage of cracks). Closing the container in an airtight manner and covering it with a thin sheet will help to prevent drying out.

Substrates

Before application, check whether the subsurface is suitable for a liquid film. It may be necessary to apply a number of coats in the case of uneven or textured subsurfaces. Gaps (pieces broken out of the subsurface) or significant unevenness may need to be closed using AEROSANA FLEECE, taped over before application (e.g. with one of the CONTEGA SOLIDO adhesive tapes, depending on requirements) or levelled off with filler. Subsurfaces should be cleaned. Application temperature should be above +5 °C (+40 °F) subsurface and air temperature. There must be no water-repellent substances (e.g. grease or silicone) on components to be coated. Subsurfaces must be sufficiently dry and stable. Application is possible on moist, but not wet subsurfaces. The liquid film adheres to all standard construction materials, e.g. mineral subsurfaces such as concrete and masonry (e.g. sand-lime bricks, other bricks, aerated concrete, pumice). Concrete or plaster subsurfaces may be sandy or crumbling to a small extent. Application is also possible to all pro clima membranes (SOLITEX ADHERO VISTO needs to be pre-treated with TESCON SPRIMER) and to membranes made of PE, PA, PP and aluminium, to unplaned, planed or painted wood, wood-based panels (chipboard, OSB, plywood, MDF and wood-fibre underlay panels), non-rusting metal subsurfaces and hard plastics (e.g. pipes, windows). AEROSANA VISCONN does not adhere to the TESCON RAPIC rapid-application adhesive tape. Cover TESCON RAPIC with a compatible adhesive tape (e.g. TESCON VANA) before applying liquid sealant. 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; 20 mils for wet application) along their entire lengths in the area to be sealed. Implement butt joints, such as valley areas for wood-fibre underlay panels, using AEROSANA FLEECE. If films (e.g. pro clima INTELLO) are to be sealed in an airtight manner, these should be stapled in place in the usual manner or else fixed in place using a suitable adhesive tape (e.g. TESCON VANA). 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 the locally applicable regulations – e.g. European waste code: 080416.

AEROSANA VISCONN system

Comprehensive information on this system:

Technical specifications:

	AEROSANA VISCONN / white	AEROSANA VISCONN FIBRE / white
Main component	Modified aqueous acrylate polymer dispersion	Modified aqueous acrylate polymer dispersion, fibre-reinforced
Colour	Dark blue, when fully dry dark blue/black / white	Dark blue, when fully dry black / white
Surface weight	290 g/m ² ; 0.95 oz/ft ² (dried, at 0.3 mm ; 13 mil thickness)	290 g/m ² ; 0.95 oz/ft ² (dried, at 0.3 mm ; 13 mil thickness)
Coating application	0.2 - 1.0 mm ; 8 - 39 mil - wet film	0.6 - 1.4 mm ; 24 - 55 mil - wet film
s _a value / humidity-variable	6 m (at 0.3 mm ; 13 mil thickness) / 0.13-10.00 m	3.5 m (at 0.3 mm ; 13 mil thickness) / 0.15-5.00 m
Vapour permeance / humidity-variable	0.55 US perms (at 0.3 mm ; 13 mil thickness) / 0.33 - 25 US perms	0.94 US perms (at 0.3 mm ; 13 mil thickness) / 0.66 - 22 US perms
Fire class	E	E
Outdoor exposure	3 months	3 months
Resistance to driving rain	Up to 600 Pa, around window (AV)	-
Watertightness to liquid water	W1	W1
Water column	2 000 mm ; 6' 7"	2 000 mm ; 6' 7"
Airtightness	Up to 1000 Pa, around window (AV)	-
Durability after artificial ageing	passed	passed
Installation temperature	+5 °C to +60 °C; 40 °F to 140 °F (also applies to substrate temperature)	5 °C to 60 °C ; 40 °F to 140 °F (also applies to substrate temperature)
Drying	Approx. 12 - 48 hours (at 20 °C ; 68 °F, 65% r.h.)	Approx. 6 - 48 hours (at 20 °C ; 68 °F, 65% r.h.)
Temperature resistance	Permanent -40 °C to +90 °C ; -40 °F to +194 °F (dried)	Permanent -40 °C to 90 °C ; -40 °F to 194 °F (dried)
Coverage	~ 1.33 m ² /l ; 0.42 ft ² /US fl oz (± 0.75 l/m ² ; 2.36 US fl oz/ft ²)	1.25-2.5 m ² /l ; 0.40-0.80 ft ² /US fl oz (± 0.4-0.8 l/m ² ; 1.26-2.51 US fl oz/ft ²)
Storage	-15 °C to +25 °C ; 5 °F to 77 °F (AV), +5 °C to +25 °C ; 41 °F to 77 °F (AV white), closed airtight	-15 °C to +25 °C ; 5 °F to 77 °F (AVF), +5 °C to +25 °C ; 41 °F to 77 °F (AVF white), closed airtight

Supply forms:

AEROSANA VISCONN / white: 10 l tin, 0.6 l foil cartridge; AEROSANA VISCONN FIBRE / white: 5 l tin, 0.6 l foil cartridge
AEROSANA FLEECE: 25 m x 150 mm; AEROFIXX: 1 box



AEROSANA VISCONN / white
Sprayable sealant, humidity-variable, blue/black or white, (AEROSANA VISCONN blue/black: frost- and moisture-resistant)



AEROSANA VISCONN FIBRE / white
Sprayable fibre-reinforced sealant, humidity-variable, blue/black or white, (AVF: frost- and moisture-resistant)



AEROSANA FLEECE
Fleece for covering cracks or joints



AEROFIXX
Application gun for AEROSANA system foil cartridges



NEW

AEROBOSX
Transport case for AEROFIXX with flexible inlay padding



Technical support

Please contact technik@proclima.com

MOLL
bauökologische Produkte GmbH
68723 Schwetzingen
Germany

proclima.com



Spraying instead of taping:

Quick and easy airtightness

AEROSANA VISCONN



Reliable solutions for sealing building envelopes

AEROSANA VISCONN system

Frost- and moisture-resistant* sealant, humidity-variable, blue/black or white

Areas of application:

As a sprayable and brush-on vapour control and airtightness layer that can be applied to surfaces such as non-plastered masonry or porous panel-form materials – both indoors and outdoors. Also suitable for building component joints and for strengthening subsurfaces on renovation projects.

Advantages:

- ✓ Can be sprayed on or applied with a brush: extremely quick application
- ✓ Particularly suitable for challenging, uneven detail features and transitions
- ✓ Creates robust building components: moisture-resistant* and highly durable once it has dried
- ✓ Reliable seals even in the case of relative movement between components: remains permanently elastic
- ✓ Flexible storage: frost-resistant* down to -15 °C (5 °F)
- ✓ Adheres to all standard construction surfaces, can also be used as a bonding course
- ✓ Can be plastered, painted and taped over
- ✓ Covers cracks and joints of up to 20 mm (3/4") width (AEROSANA VISCONN FIBRE)
- ✓ No mixing necessary: ready-to-use, apply straight from the tin or foil cartridge

(*AEROSANA VISCONN and VISCONN FIBRE)

Wide range of applications:



Joints between timber-frame walls and concrete floors

Airtight transitions between wood-based panels (e.g. OSB) and concrete slabs, for example. Swelling mortar can easily be covered over. It is easy to spray over difficult, uneven geometries (e.g. fastening fittings such as brackets). Durability has been tested and confirmed as per EN 13984.



Watch the video –
AEROSANA VISCONN is extremely versatile!

proclima.info/en/liquid-seals



Everything. Sealed. Quicker.

Timber and masonry structures · Surfaces and detail features · New builds and refurbishment projects · Interior and exterior use



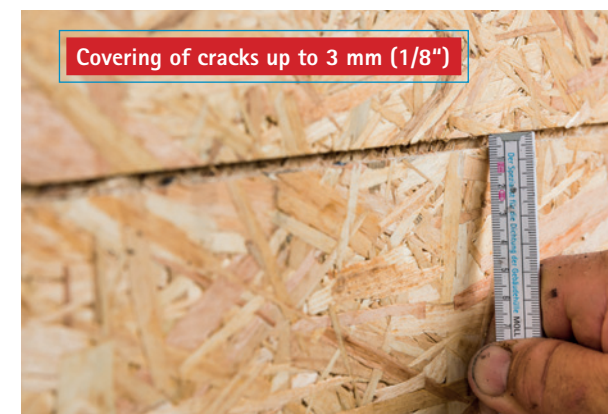
Joints between CLT walls and concrete

Airtight transitions between CLT elements and concrete slabs, for example, including difficult, uneven geometries (e.g. brackets). The surface layers of the components must be airtight for this to work. Swelling mortar can easily be covered over.



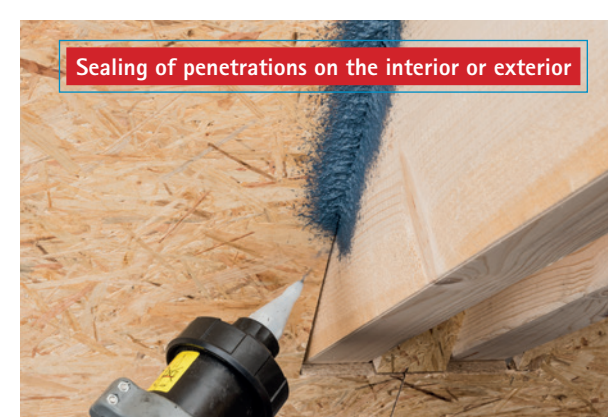
Sealing of unplastered walls or damaged plaster

Creation of airtightness on unplastered masonry.



Covering of cracks up to 3 mm (1/8")

Easy sealing of cracks or joints by spraying or applying with a brush. The gaps are filled in using AEROSANA VISCONN and sprayed over.



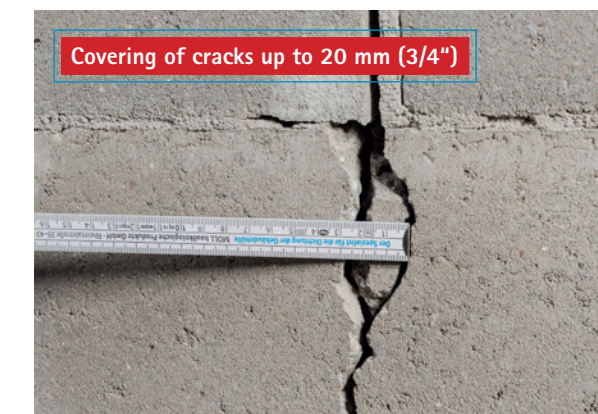
Sealing of penetrations on the interior or exterior

Simple airtight sealing of penetrations (e.g. collar ties or rafters when carrying out roof refurbishment from the outside.)



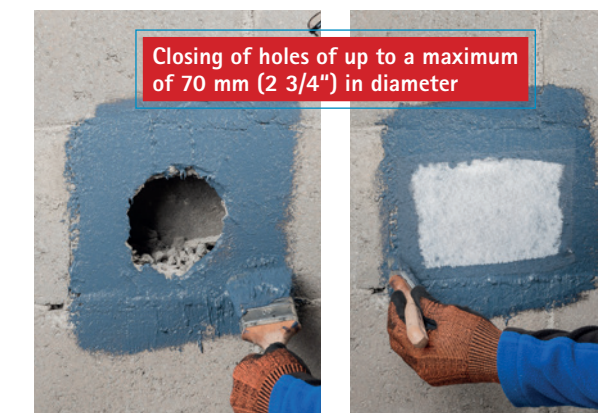
Window joints, including second waterproof layers/sub-sill flashing

Creation of airtight interior joints and exterior joints that are resistant to driving rain, application with a brush or by spraying. Can be used flexibly on fibrous insulation materials (e.g. hemp wool or sheep wool) and on spray foam. Interior and exterior joints tested and confirmed in accordance with the IFT Guideline MO-01/1:2007-01, Section 5.



Covering of cracks up to 20 mm (3/4")

Wide cracks can be sealed and made airtight in an easy, time-saving manner using the fibre-reinforced AEROSANA VISCONN FIBRE sealant, which can be applied with a brush or by spraying (AEROFIXX).



Closing of holes of up to a maximum of 70 mm (2 3/4") in diameter

If there are large gaps in the subsurface, simply combine AEROSANA VISCONN with AEROSANA FLEECE.



Sealing around pipes

Seal joints with round penetrations – e.g. pipes – using AEROSANA VISCONN and AEROSANA FLEECE.

For more information on the
AEROSANA VISCONN system:

proclima.info/en/aerosana-visconn-products



Tested for hazardous substances according to



Sprayable window joints:
tested and approved

Test report no. 18-004115-PRO1
(PB 1-E03-020310-de-02), AEROSANA VISCONN
as per MO-01/1:2007-01, section 5 21.08.2019

