Installation instructions

AEROSANA® VISCONN

General installation steps

1. Prepare the subsurface; stir the product

Subsurfaces should be cleaned. An even subsurface is a prerequisite for the use of AEROSANA VISCONN spray film. Fill any breakages, joints or holes before applying it.

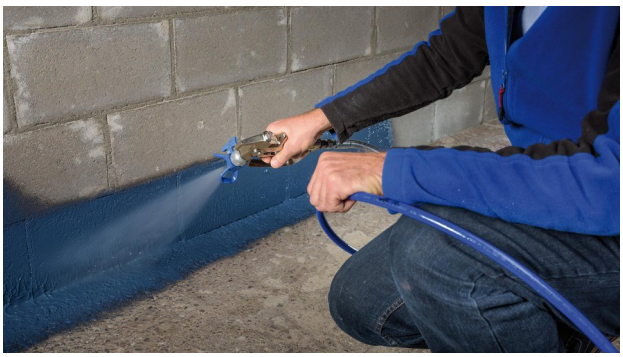
Before application from the tin: stir thoroughly.

2a. Cover over defects

Breakages, joints and holes can be covered over with a suitable filler or with CONTEGA SOLIDO SL before AEROSANA VISCONN is sprayed on.
If defects are detected during spraying, these can be covered over with pro clima AEROSANA FLEECE.

2b. Cover over defects

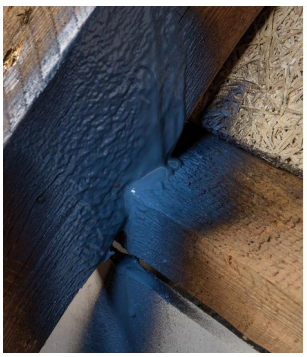
To do this, paint AEROSANA VISCONN onto a piece of fleece, apply the fleece to the defect and spray over it.



3. Apply a spray film (airless spray process)

Apply AEROSANA VISCONN in at least two layers.
Apply the spray film in an even and overlapping manner.
Additional layers may be necessary, depending on the condition of the subsurface.
In the case of a layer thickness of greater than 1 mm, first allow AEROSANA VISCONN to become touch dry and then proceed to add further layers.
Layers of liquid film that are too thick can run off.

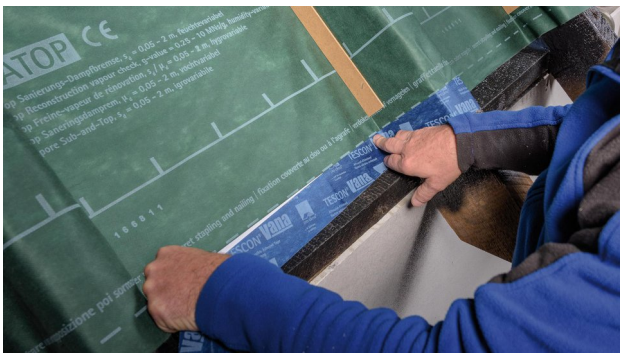
Setting of airless sprayer
Pressure: Approx. 150 - 200 bar
Nozzles: 210, 317, 519



4. Use as a primer

Rough or dusty subsurfaces can be prepared for sticking pro clima adhesive tapes to them by using AEROSANA VISCONN.
To do this, apply a seamless layer of spray film.

Note:
The colour of AEROSANA VISCONN changes from blue to black during drying.



5. Stick joints

Once the spray has dried, apply the adhesive tape and gradually stick it in place.

When plastering, please observe the recommendations of the plaster manufacturer for non-absorbent subsurfaces.
A bonding course may be necessary.

Eave refurbishment with AEROFIXX

1. Preparation

Brush off subsurfaces; if necessary, clean with a vacuum cleaner and wipe down.

2. Spray over birdsmouth joints

In the area around the birdsmouth joints, spray over the joints between rafters and the wallplate with a generous amount of sealant so that any movement of components that occurs can be accommodated.

3. Continue along the rest of the eave

Also apply a generous amount of AEROSANA VISCONN / FIBRE below the rafters in the area around the birdsmouth joints.

4. Seal wide joints

Switch the AIRFIXX to line application and completely fill the gap (in this case, between the wallplate and the knee wall) with AEROSANA VISCONN / FIBRE.

5. Spray over the joint

Set the AEROFIXX to spray application and spray over the joint in a generous manner. Apply the sealant to a width of at least 30 mm on the surfaces to be sealed. The layer thickness is sufficient when a textured surface ('orange peel') is recognisable.

6. Use as a primer

If required, apply AEROSANA VISCONN /FIBRE as a primer onto timber that the refurbishment vapour check (e.g. DASATOP) will be bonded to subsequently.

7. Stick the joint

After the sealant has fully dried, seal the refurbishment vapour check in an airtight manner using TESCON VANA, for example.

Joints at double collar ties with AEROFIXX

1. Initial situation

2. Preparation

Brush off subsurfaces; if necessary, clean with a vacuum cleaner and wipe down.

3. Check the joint width

Gaps of up to 3 mm can be filled using AEROSANA VISCONN. Use AEROSANA VISCONN FIBRE for wide gaps of up to 20 mm. In this case, the gap must be filled with sealant to a depth of at least half the width of the gap.

4. Set the device

Set the AEROFIXX to line application.

5. Fill the joint

Fill the joint with a sufficient amount of AEROSANA VISCONN / FIBRE.

6. Spray over the joint

Set the AEROFIXX to spray application and spray over the joint in a generous manner. Apply the sealant to a width of at least 30 mm on the surfaces to be sealed. The layer thickness is sufficient when a textured surface ('orange peel') is recognisable.

7. Work on detail features

Areas that are difficult to access can also be sealed conveniently using the spray method.

8. Check the joint

If necessary, seal any gaps with a brush and AEROSANA VISCONN / FIBRE.

9. The finished joint at a double collar tie penetration

Window joint with AEROFIXX

1. Initial situation

Window is installed, window joint has been filled with insulation material.

2. Preparation

Brush off subsurfaces; if necessary, clean with a vacuum cleaner and wipe down.

3. Cut away any excess insulation material

If necessary, cut away any protruding insulation.

4. Apply masking tape to the window frame

When doing this, leave a strip with a width of at least 6 mm free on the frame for subsequent sealing using AEROSANA VISCONN / FIBRE.

Alternatively, remove the joint insulation to a sufficient extent to create a clean surface for a lateral bond to the side of the window frame.

5. Spray on the sealant

Spray a sufficient amount of AEROSANA VISCONN / FIBRE onto the window frame, the joint insulation and the adjacent masonry. Apply the sealant evenly. Cracks and pores must be closed by flooding them. The layer thickness is sufficient when a textured surface ('orange peel') is recognisable.

6. Continue around the rest of the window

Bond all four sides of the frame to the masonry using AEROSANA VISCONN / FIBRE.

7. Check the joint

If necessary, seal any gaps with a brush and AEROSANA VISCONN / FIBRE.

8. Interior and exterior use

AEROSANA VISCONN / FIBRE can be used for interior and exterior window joints. The installation method is identical in both cases.

9. Remove the masking tape

Remove the protective masking tape immediately after the window joint is sealed.
Remove any traces of AEROSANA VISCONN / FIBRE from the window frame immediately using a damp cloth.

Window-sealing, airless

1. Cut away protruding foam

Insert the insulating material (loose wool, loose hemp) into the window joint in such a way that is flush with the window frame.
Cut away protruding foam after it has hardened.

2. Clean the subsurface

3. Protect the window with sheeting

Protect the panes of glass and visible parts of the frame against soiling by using masking tape.

4. Spray the lintel and reveals

Apply the required layer thickness of AEROSANA VISCONN in one or two spraying steps.

5. Check the layer thickness

Check the required wet layer thickness of 500 µm using a suitable gauge.

6. Pre-spray the sub-sill flashing

AEROSANA VISCONN is also suitable for use in forming sub-sill flashing. To do this, first spray the insulation angle fillet in a generous manner.

7. Install the AEROSANA FLEECE sub-sill flashing

Insert the AEROSANA FLEECE into the still-wet AEROSANA VISCONN spray film, ensuring there are no folds or creases.
Carefully finish any corners or raised edges.

8. Spray over AEROSANA FLEECE

The AEROSANA FLEECE is embedded in place by spraying again with AEROSANA VISCONN.

9. Remove the protective sheeting

Remove the stuck-on protective sheeting before AEROSANA VISCONN dries.

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 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 primer) 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 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.

General conditions

Cracks that are wider than 3 mm 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 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 surfaces: 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. All AEROSANA VISCONN variants in 600 ml 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. 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, 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 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, with AEROSANA VISCONN FIBRE up to 8 mm 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. Check the minimum layer thickness of 500 µm 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.

The information provided here is based on practical experience and the current state of knowledge. We reserve the right to make changes to the recommended designs and processing or to make alterations due to technical developments and associated improvements in the quality of our products. We would be happy to inform you of the current technical state of the art at the time you use our products.

Further information about application and construction is given in the pro clima planning documentation and application recommendations. If you have any questions, please call the pro clima technical hotline Ireland and UK:
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