

Installation steps



1. Preparing 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 well.



2a. Covering 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. Covering 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 substraces 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. Sticking 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 substraces. A bonding course may be necessary.

Installation steps: Eave refurbishment with AEROFIXX



1. Preparation

Brush off substraces; 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 (1 1/4") 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 retarder (e.g. DASATOP) will be bonded to subsequently.



7. Stick the joint

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

Installation steps: 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 (7/8"). 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

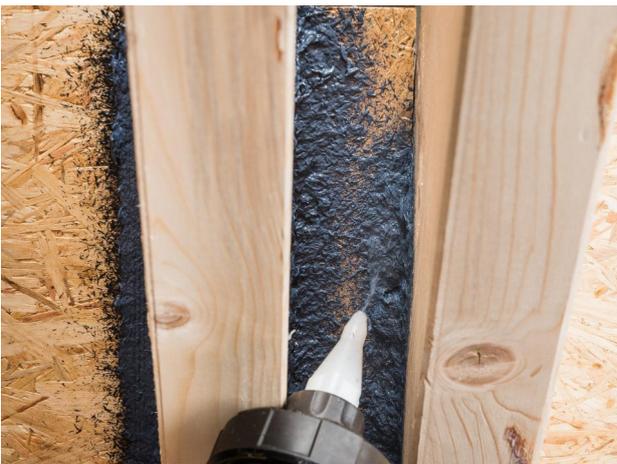
Fill the joint with a sufficient amount of AEROSANA VISCONN / FIBRE.



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 (1 1/4") 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

Installation steps: 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 bonding 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.

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 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.

Subsurfaces should be cleaned.

Application temperature above +5 °C (+40 °F) subsurface and air temperature.

There must be no water-repellent substances (e.g. grease or silicone) on materials to be coated. Subsurfaces must be sufficiently dry and stable. Application to moist, but not wet subsurfaces is possible.

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.

Can also be applied to all pro clima membranes, membranes made of PE, PA, PP and aluminium, to planed and 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).

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 wet application) along their entire lengths in the area to be sealed.

Implement butt joints, such as valley areas for wood fibre underlay panels, together with AEROSANA FLEECE.

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.

General conditions

Cracks that are wider than 3 mm (1/8") must be stuck over, covered with AEROSANA FLEECE or filled.

The best coverage is achieved when one layer is first sprayed on horizontally and then sprayed over vertically in a cross pattern. Perfect airtightness can only be achieved with a sealed AEROSANA VISCONN film.

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 oz/min). The recommended nozzles are: 210, 317, 519.

The first digit of the nozzle designation specifies the spray angle x 10°, the second and third digits represent the diameter of the nozzle in 0.0xx inches.

Applications with detail features are sprayed using a 210 nozzle, while broad surface applications are carried out using a 519 nozzle.

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.

Layer thickness and drying

Spraying should be carried out at a distance of approx. 20 cm (7.9") 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 (20 mils) 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 ; 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.

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

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 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 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 the application and construction can be found in the pro clima planning documentation. For queries please call the pro clima technical hotline on +49 (0)6202 278245.

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