

Installation instructions **AEROSANA® VISCONN FIBRE**

Application using brush or scraper



1. Stir the product

Before application from the tin: stir thoroughly.



2. Clean the subsurface

Clean loose material and coarse dirt from the subsurface using a brush, for example.



3. Determine the crack width

AEROSANA VISCONN FIBRE bridges cracks of up to 20 mm (0.8") in width.



4. Painting over cracks up to 8 mm (0.3") in width

Cracks of up to a maximum of 8 mm (0.3") in width can be simply painted over.

When doing so, guide the brush flat across the crack so that the gap becomes completely filled.



5. Filling cracks up to 20 mm (0.8") in width

For cracks of 8 - 20 mm (0.3" - 0.8") in width, apply AEROSANA VISCONN FIBRE deep into the crack.

To do so, the gap must be filled with sealant to a depth of at least half the width of the gap.



6. Closing up holes

Holes of up to a maximum of 70 mm (2 3/4") in diameter at their widest point can be closed using AEROSANA FLEECE and AEROSANA VISCONN FIBRE.



7. Paint the subsurface

Apply AEROSANA VISCONN FIBRE with a thickness of at least 1 mm (40 mils) around the hole.



8. Apply the fleece

Cut AEROSANA FLEECE to shape and apply this onto the liquid sealant. Avoid cavities. The bridging fleece must be in contact with the masonry over a width of at least 40 mm (1 5/8") around the hole.



9. Paint over the fleece

Paint over the entire area of the bridging fleece with AEROSANA VISCONN FIBRE.



11. Joints to penetrations

When creating joints to penetrations, clean loose material and coarse dirt from the subsurface with a brush, for example.



12. Determine the fleece strip length

Determining the strip length of AEROSANA FLEECE: the bridging fleece must be in contact with the masonry and the pipe to be bonded over at least 40 mm (1 5/8") for each.



13. Cut the fleece strip

Cut a strip of AEROSANA FLEECE in such a way that its width is slightly greater than half the pipe diameter. The strip can then be worked onto the pipe more easily.



14. Paint the subsurface

Apply AEROSANA VISCONN FIBRE with a thickness of at least 1 mm (40 mils) around the hole and pipe.



15. Apply the first fleece layer

Apply the fleece pieces onto the liquid AEROSANA VISCONN FIBRE. Ensure that the valleys formed are free of tension.



16. Paint over the fleece

Then apply AEROSANA VISCONN FIBRE to the fleece strips, the masonry and the pipe.



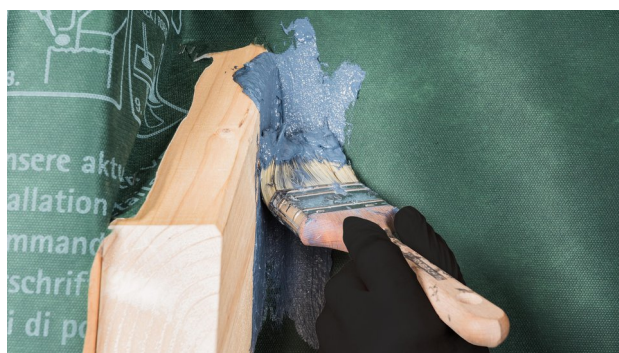
17. Apply the second fleece layer

Apply additional fleece strips so that the gap is completely closed. Avoid hollows (valleys).



18. Paint over the fleece

To finish, paint over the joint generously with AEROSANA VISCONN FIBRE.



20. Awkward detail features

AEROSANA VISCONN FIBRE can be used to achieve airtightness for geometrically challenging joints (e.g. on renovation projects) in a simple and reliable manner.



21. Paint the subsurface

Paint AEROSANA VISCONN FIBRE with a thickness of at least 1 mm (40 mils) onto the subsurfaces to be sealed.
 In the case of changes of material or close to corners, the brush-on sealant must be applied onto at least 40 mm (1 5/8") of the adjacent surfaces.



22. Apply the first fleece layer

Cut pieces of AEROSANA FLEECE into shape and apply them onto the wet AEROSANA VISCONN FIBRE.



23. Paint over the fleece

Paint the brush-on sealant onto AEROSANA FLEECE in the area around overlaps to ensure they stick to one another. Once all fleece pieces have been fitted, paint all of the joint with AEROSANA VISCONN FIBRE.



24. Protection against moisture

The drying time for the joint created is around 4 - 24 hours depending on the absorbency of the subsurfaces and the climate conditions. During this time, the joint must be protected against moisture.



25. Colour change after drying

The colour changes to black during drying.
 If gaps are noticed after application, these can be closed subsequently with AEROSANA VISCONN FIBRE.

Eave refurbishment with AEROFIXX



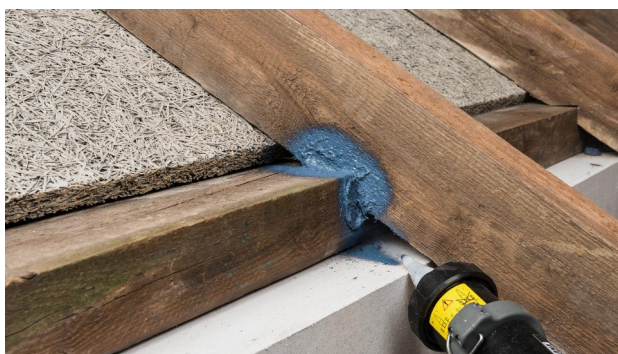
1. Preparation

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



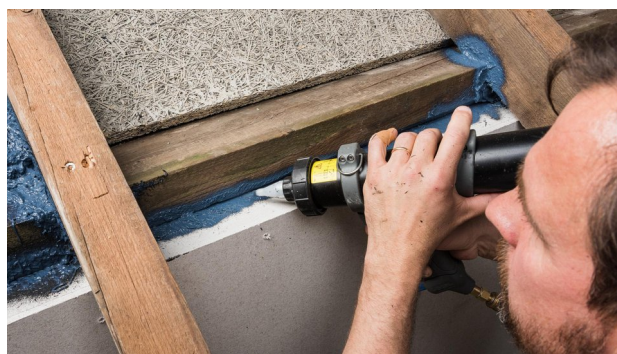
2. Spray over birdsmouth joints

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 (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.

Joists 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.



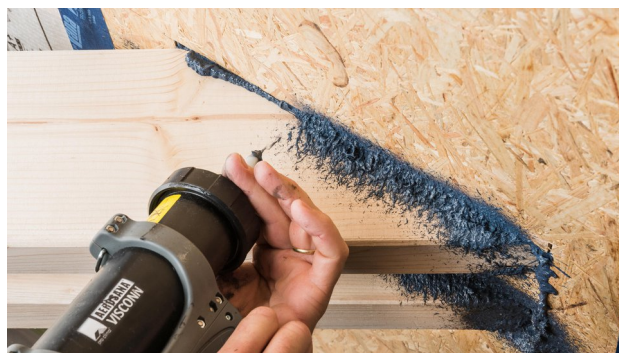
4. Set the device

Set the AEROFIXX to line application.



5. Fill the joint

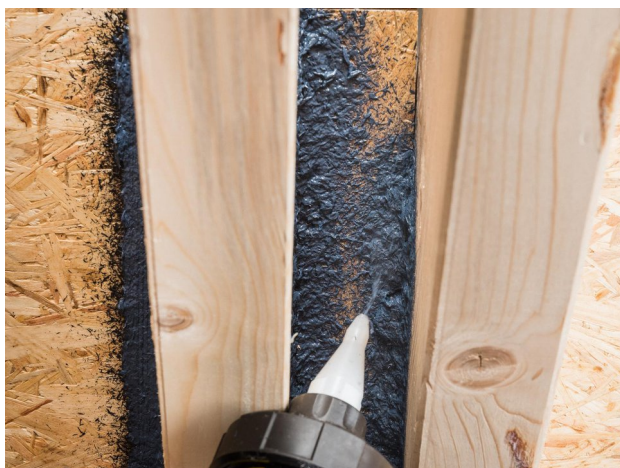
Fill the joint with a sufficient amount of AEROSANA VISCONN / FIBRE.



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

Window joint with AEROFIXX



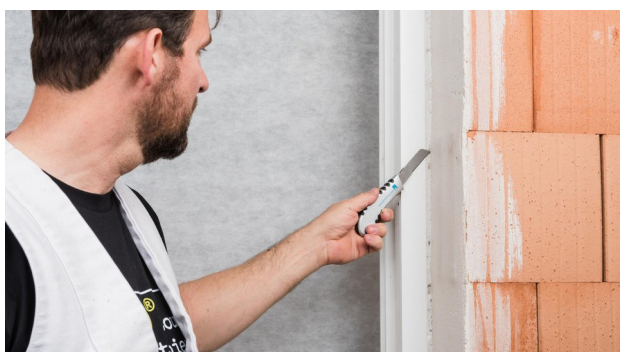
1. Initial situation

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.



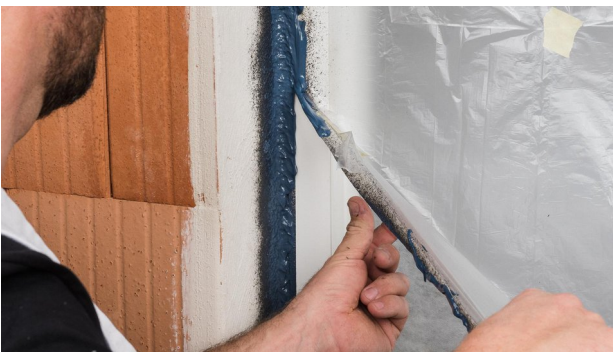
7. Check the joint

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 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

Openings in the subsurface, e.g. cracks, may have a maximum width of 20 mm (3/4"). Cracks of up to a maximum of 8 mm (3/8") in width can be simply painted over.

For cracks of 8 - 20 mm (3/8"-3/4") in width, apply AEROSANA VISCONN FIBRE deep into the crack. To do so, the gap must be filled with sealant to a depth of at least half the width of the gap. In the case of larger joint or crack widths, use AEROSANA FLEECE or an adhesive tape (e.g. TESCON VANA). Alternatively, the opening can be filled using suitable plaster or mortar.

AEROSANA VISCONN FIBRE changes colour from blue to black when it dries.

The moist film is to be protected against additional moisture (e.g. rain) until it has fully dried.

Protective equipment

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

Application with a brush

All AEROSANA VISCONN products can 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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Page 10 / 10



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For stockist information and full technical support for your project, please contact Ecological Building Systems or visit www.EcologicalBuildingSystems.com

