

AEROSANA VISCONN FIBRE

Fibre-reinforced sealant with humidity-variable water vapour permeability, blue/black



Technical data

| Substance | | |
|-------------------------------------|--|---|
| Component | modified aqueous acrylate polymer dispersion, fibre-reinforced | |
| Property | Regulation | Value |
| Colour | | dark blue, when fully dry black |
| Surface weight | EN 1849-2 | approx. 200 - 400 g/m ² ; 0.65 - 1.3 oz/ft ² , depending on subsurface and applied thickness |
| Coating application | | 0.6 - 1.4 mm ; 24 - 55 mils - wet film |
| sd value | EN 1931 | 3.5 m (at 0.3 mm thickness) |
| sd value, humidity variable | EN ISO 12572 | 0.15 - 5.00 m |
| g value | | 17.5 MN-s/g (at 0.3 mm thickness) |
| g value, humidity variable | | 0.75 - 25 MN-s/g |
| Vapour permeance | ASTM E96-A | 0.94 US perms (at 0.3 mm thickness) |
| Vapour permeance, humidity variable | EN ISO 12572 | 0.66 - 22 US perms |
| Fire rating | EN 13501-1 | E |
| Outdoor exposure | | 3 months |
| Water column | EN ISO 811 | 2 000 mm ; 6' 7" |
| Water tightness to liquid water | EN 1928 | W1 |
| Can be plastered/painted over | | yes, and pro clima adhesive tapes can be stuck onto it |
| Durability after artificial ageing | | passed |
| Application temperature | | 5 °C to 60 °C ; 40 °F to 140 °F (also applies to subsurface temperature) |
| Temperature resistance | | permanent -40 °C to 90 °C ; -40 °F to 194 °F (dried) |
| Coverage | | 400-800 ml/m ² ; 1.3-2.6 oz/ft ² , depending on subsurface and applied thickness (1 l $\hat{=}$ 1 kg) |
| Drying | | approx. 6 - 48 hours (at 20 °C; 68 °F, 65% rel. humidity) depending on subsurface and applied thickness |
| Storage | | 5 °C to 25 °C ; 41 °F to 77 °F, closed in an airtight manner |

Application

For use as a spray or brush-on vapour check, airtightness or windtightness layer for wall, ceiling and floor joints, to seal penetrations and non-airtight or non-windtight subsurfaces, e.g. on foamed window joints.

- ✓ Also for the creation of joints to components such as windows, roofs, walls, ceilings and floors, and for panel joints on airtight wood-based panels (e.g. OSB).
- ✓ Also for use as a bonding course between subsurfaces and subsequent coatings or adhesion.
- ✓ Can be applied both in interior and protected outdoor areas.
- ✓ Thanks to fibre reinforcement, joints and cracks of up to 20 mm (3/4") can be covered and sealed. Apply AEROSANA FLEECE to larger joints.

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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Advantages

- ✓ Time-saving and can be applied in versatile ways: Spraying with AEROFIXX (compressed air), paint on
- ✓ Reliable structures thanks to excellent adhesive properties on all standard construction surfaces
- ✓ Covers cracks and joints of up to 20 mm (3/4") width. Larger joints can also be covered in combination with AEROSANA FLEECE.
- ✓ Can be plastered, painted and stuck over with all pro clima adhesive tapes
- ✓ Can be used flexibly both in interior and protected outdoor areas thanks to its humidity-variable s_d value
- ✓ Excellent values in hazardous substance testing, has been tested according to the ISO 16000 evaluation

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.

Spraying with AEROFIXX

AEROSANA VISCONN FIBRE can be applied using the AEROFIXX spray gun. With this application tool, the sealant can either be applied in bead form or as a spray.

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.

Tested for hazardous substances according to



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