AEROSANA® VISCONN FIBRE

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

Technical data

Material	
Main product component	Modified aqueous acrylate polymer dispersion, fibre-reinforced

Property	Regulation	Value
Colour		Dark blue, when fully dry black
Surface weight	EN 1849-2	290 g/m² ; 0.95 oz/ft² (dried, at 0.3 mm ; 13 mil thickness)
Coating application		0.6 - 1.4 mm ; 24 - 55 mil - wet film
sd value	EN 1931	3.5 m (at 0.3 mm ; 13 mil thickness)
sd value, humidity-variable	EN ISO 12572	0.15 - 5.00 m
g value		17.5 MN·s/g (at 0.3 mm ; 13 mil thickness)
g value, humidity-variable		0.75 - 25 MN·s/g
Vapour permeance	ASTM E96-A	0.94 US perms (at 0.3 mm ; 13 mil thickness)
Vapour permeance, humidity-variable	EN ISO 12572	0.66 - 22 US perms
Fire rating	EN 13501-1	E
Outdoor exposure		3 months
Watertightness to liquid water	EN 1928	W1
Water column	EN ISO 811	2 000 mm ; 6' 7"
Can be plastered/ painted over		Yes, and pro clima adhesive tapes can be stuck onto it
Durability after artificial ageing		Passed
Installation temperature		5 °C to 60 °C ; 40 °F to 140 °F (also applies to subsurface temperature)
Drying		approx. 6 - 48 hours (at 20 °C; 68 °F, 65% rel. humidity) depending on subsurface and applied thickness
Temperature resistance		Permanent -40 °C to 90 °C ; -40 °F to 194 °F (dried)
Coverage		1.25-2.5 m²/l ; 0.40-0.80 ft²/US fl oz (≙ 0.4-0.8 l/m² ; 1.26-2.51 US fl oz/ft²), depending on subsurface and application method
Storage		5 °C to 25 °C ; 41 °F to 77 °F, closed in an airtight manner

Areas of 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.

Supply forms

Art. no.	GTIN	Contents	Weight	Sales unit	Container
1AR01677	4026639216779	5 l	5.6 kg	1	60
1AR02633	4026639226334	0.6 l	0.63 kg	12	720

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 taped 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 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 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).

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.

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 or sprayed 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. AEROSANA VISCONN FIBRE white does not change colour.
The film is to be protected against moisture (e.g. rain) during drying.

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.

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 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 installation and design details is available in the pro clima planning documentation. If you have any questions, please contact [pro clima Technical Support](https://proclima.com/service/technical-support).

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