AEROSANA VISCONN® FIBRE

Sprayable fibre-reinforced frost- and moisture-resistant sealant, humidity-variable, blue/ black



Technical data

	Material
Sealant	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	EN 1931	17.5 MN·s/g (at 0.3 mm ; 13 mil thickness)
g value, humidity-variable	EN ISO 12572	0.75 - 25 MN·s/g
Vapour permeance	ASTM E96-A	0.94 perms (at 0.3 mm ; 13 mil thickness)
Vapour permeance, humidity-variable	EN ISO 12572	0.66 - 22 perms
Reaction to fire classification	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"
Airtightness	ASTM E2178	
Can be plastered/ painted over		Yes, and pro clima tapes adhere to it
Durability after artificial ageing		Passed
Application temperature		5 °C to 60 °C ; 40 °F to 140 °F (also applies to substrate temperature)
Drying		Approx. 12 - 48 hours (at 20 °C ; 68 °F, 65% rel. humidity), depending on substrate 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 substrate and application method
Storage		-15 °C to +25 °C ; 5 °F to 77 °F, closed in an airtight manner
Passive House Certification	Passivhaus Institut	phA

Areas of application

For use as a spray or brush-on vapour control, 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 sealing transitions 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 (¾") can be covered and sealed. Apply AEROSANA FLEECE to larger joints.

Supply forms

Art. no.	Variant	Contents	Coverage	Weight	Sales unit	Container	GTIN
1AR04726	Bucket	5 l	6-15.5 m² (64-166 ft²)	5.5 kg	2	84	4026639247261
1AR02633	Foil cartridge	0.6 l	0.75-1.9 m² (8-20 ft²)	0.63 kg	12	720	4026639226334

Advantages

- ✔ Quick and versatile to apply: spraying with AEROFIXX (compressed air) or applying with a brush
- ✔ Reliable structures thanks to excellent adhesive properties on all standard construction surfaces
- ✔ Covers cracks and joints of up to 20 mm (¾″) width; larger joints can also be covered in combination with AEROSANA FLEECE
- ✔ Creates robust building structures: moisture-resistant, permanently elastic and highly durable once it has dried
- ✔ Can be plastered, painted and taped over with all pro clima adhesive tapes
- ✔ For airtight sealing in accordance with DIN 4108-7, SIA 180 and RE 2020
- ✔ 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 application of 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 covered using AEROSANA FLEECE, taped over before application (e.g. with one of the CONTEGA SOLIDO tapes, depending on requirements) or levelled off with filler.

Subsurfaces should be cleaned.
The subsurface and air temperatures should be above +5 °C (+40 °F) for application. There must be no water-repellent substances (e.g. grease or silicone) on surfaces 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). It is permissible for concrete or plaster subsurfaces to be sandy or crumbling to a small extent. Application is also possible to all pro clima membranes (note: SOLITEX ADHERO VISTO needs to be pre-treated with TESCON SPRIMER) 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; 20 mils for wet application) along their entire lengths in the area to be sealed. Implement butt joints, such as valley areas with wood-fibre underlay panels, using AEROSANA FLEECE. If membranes (e.g. 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 adjacent to 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 (¾″). Cracks of up to a maximum of 8 mm (⅜″) in width can be simply covered by applying sealant with a brush or spray gun.

For cracks of 8-20 mm (⅜″-¾″) 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.

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 (87 psi). All AEROSANA VISCONN variants in 600 ml (20.3 US fl oz) 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.

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 (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 too much (risk of excessive flow and poor coverage of cracks). Closing the container in an airtight manner and also covering over the sealant with a thin film will help to prevent drying out.

















The applications and conditions described here are based on current research findings and practical experience. We reserve the right to change the recommended application designs and installation methods and to develop and thus change the properties and quality of individual products. We would be glad to inform you about the current state of engineering knowledge at the time that your installation is carried out.

The planning documentation that is available from pro clima provides further information about installation methods and design details. If you have questions, please contact pro clima Technical Support in Germany at +49 6202 278245.

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