

AEROSANA VISCONN

Sprayable airtightness sealant with humidity-variable water vapour permeability, blue/black



Technical data

Material		
Component	Modified aqueous acrylate polymer dispersion	
Property	Regulation	Value
Colour		dark blue, when fully dry dark blue/black
Surface weight	EN 1849-2	290 g/m ² ; 0.95 oz/ft ² (dried, at 0.3 mm ; 13 mil thickness)
Coating application		0.2 - 1.0 mm ; 8 - 39 mil - wet film
sd value	EN 1931	6 m (at 0.3 mm ; 13 mil thickness)
sd value, humidity variable	EN ISO 12572	0.13 - 10.00 m
g value		30 MN-s/g (at 0.3 mm ; 13 mil thickness)
g value, humidity variable		0.65 - 50 MN-s/g
Vapour permeance	ASTM E96-A	0.9 US perms (at 0.3 mm ; 13 mil thickness)
Vapour permeance, humidity variable	EN ISO 12572	0.33 - 25 US perms
Fire rating	EN 13501-1	E
Outdoor exposure		3 months
Resistance to driving rain	ift, MO-01/1:2007-01, Abs. 5	up to 600 Pa, around window
Watertightness to liquid water	EN 1928	W1
Water column	EN ISO 811	2 000 mm ; 6' 7"
Airtightness	ift, MO-01/1:2007-01, Abs. 5	up to 1000 Pa, around window
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		~ 1.33 m ² /l ; 0.42 ft ² /US fl oz (△ 0.75 l/m ² ; 2.36 US fl oz/ft ²), depending on subsurface and application method
Drying		approx. 12 - 48 hours (at 20 °C, 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

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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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Areas of application

For use as a humidity-variable vapour check and airtight layer that can be applied as a spray or using a brush on wall, ceiling and floor surfaces, such as non-plastered masonry or porous panel-form materials.

- ✓ 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).
- ✓ Can also be used for strengthening subsurfaces in the case of renovation.
- ✓ The humidity-variable diffusion resistance of this product means that it can be used on the interior and exterior of building components.
- ✓ The sprayed-on liquid film forms a seamless, elastic air-retarding and vapour-checking protective layer once it has dried.
- ✓ Forms a seamless, elastic airtight and vapour-checking protective layer once it has dried.

Supply forms

Art. no.	GTIN	Contents	Weight	Sales unit	Container
1AR01106	4026639211064	10 l	10.3 kg	1	45
1AR02612	4026639226129	0.6 l	0.63 kg	12	720

Advantages

- ✓ Time-saving and can be applied in versatile ways: spraying with an airless sprayer or AEROFIXX (compressed air), paint on.
- ✓ Reliable structures thanks to excellent adhesive properties on all standard construction surfaces
- ✓ Covers cracks and joints of up to 3 mm (1/8") width. Larger joints can also be covered in combination with AEROSANA FLEECE.
- ✓ For robust building components: permanent elasticity and high durability once it has dried
- ✓ Improves surfaces: forms a bonding course between subsurfaces and subsequent coatings
- ✓ Can be plastered/painted over, pro clima adhesive tapes can be stuck onto it
- ✓ Flexible use in indoor 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 scheme

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 unplanned, 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.

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General conditions

Cracks that are wider than 3 mm (1/8") must be taped over, covered with AEROSANA FLEECE or filled in. Spraying should be carried out at a distance of approx. 15 cm (8") from the subsurface. Application in a number of layers can be carried out without any need for drying periods between them. Perfect airtightness can only be achieved with a complete AEROSANA VISCONN film with no gaps. Linear joints: The best coverage is achieved when spraying is carried out in two layers. The spraying jet should be at approx. 60° to the subsurface, spraying away from the installer. The second spraying step should then be carried out in the opposite direction.

Sealing surfaces: The best coverage is achieved when one layer is first sprayed on horizontally and then sprayed over vertically in a cross pattern.

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 US fl oz/min). The recommended nozzles for surface application are: 317 to 521 – for detail features: 210. The first digit of the nozzle designation specifies the spray angle in degrees ($\times 10^\circ$), the second and third digits represent the diameter of the nozzle in 0.0xx inches. 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.

AEROSANA VISCONN FIBRE and AEROSANA VISCONN FIBRE white cannot be applied using airless sprayers; in this case, use the AEROFIXX application gun.

Layer thickness and drying

The required minimum layer thickness of 500 μm (20 mils) has been achieved when a seamless, slightly wavy surface ('orange peel') is formed on the surface of AEROSANA VISCONN during the spraying process. Cracks and pores in the subsurface must be covered or closed in order to achieve perfect airtightness. This can be done using AEROSANA VISCONN for cracks/pores up to 3 mm (1/8"), with AEROSANA VISCONN FIBRE up to 8 mm (5/16") by spraying or flooding.

The thickness should be checked using the measuring gauge at various points across the entire sprayed surface 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 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

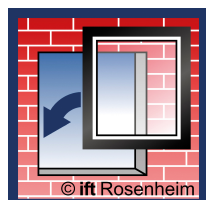
The air pressure raises airborne dust. For this reason, it is recommended that installers should wear personal protective equipment consisting of a mask, protective glasses and gloves, even in well-ventilated locations.

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.



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Prüfbericht Nr. 18-004115-PR01
(PB 1-E03-020310-de-02)
- AEROSANA VISCONN
nach MO-01/1:2007-01, Abs. 5
21.08.2019

Tested for hazardous
substances according to



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