

Novia® AirSeal 310 FR is a halogen free, polymer emulsion-based cartridge sealant. It is easily applied and dries to a flexible and smooth surfaced finish which provides movement capability in fire rated linear joint and penetration seals. It is readily over paintable. It has excellent adhesion to a wide range of substrates and will not harden or crack with age.

Novia® AirSeal 310 FR should be used in all applications where additional sealing is required, for example internal corners, floor sections or window reveals. **Novia® AirSeal 310 FR** should be used in addition to Novia's other AVCL installation tapes: **Novia® Double-Sided Butyl Tape** and single-sided **Novia® Aluminium Foil Tape** or **Novia® Metallised BOPP Tape**.

Applications

Novia AirSeal 310 FR forms a fire and smoke seal in joints up to 35mm wide without slumping. It is ideal for sealing joints such as:

- Air and Vapour Control Membranes
- In and around internal partitions where flexibility may be required
- Linear gap seals. Vertical or horizontal at head or foot of wall

Cold Weather Airseal 310 Sealant

For applications during colder months, we offer our alternative AVCL sealant **Novia® AirSeal 310** which has a lower installation temperature range, starting at -10°C. See datasheet for further product specific information.

Nominal Technical Data

Movement Accomodation	+/-12.5% Conforms to ISO 11600 F 12.5P
Durability (ETAG 026-2&3)	Category Z1 (-10/+70°C) suitable for intended use at temperatures between -10°C and +70°C) internal use high humidity
Skinning Time	15 minutes to 1 hour depending on conditions
Cure Time	5 to 15 days for 15mm x 20mm bead
Hardness Shore A	35 - 45
Tensile Strength (100%)	0.2 MPa
Paintability	With most paints when cured
Application Temperature	+5 to +40°C
Cleaning	Uncured sealant with water
Specific Gravity	1.60 - 1.68
Shelf Life	Minimum 24 Months unopened. Store in cool, dry conditions protected from frost.
Colour	Blue



Cartridge Size:
310ml each.

Other sizes available.
MOQs and lead times apply.

Fire Rated Airseal 310FR:
Novia® AirSeal 310FR is suitable for use when installation temperatures range from +5°C and +40°C. In colder months efforts to ensure the installation temperature on site exceeds +5°C should be made, particularly for installations of **Novia® VC4000FR AVCL**.

Cold Weather Airseal310:
Novia® AirSeal 310 is suitable for use in colder months (November to March*) with installation temperatures ranging between -10°C (with care) and +40°C

*Months are given as guidance only, based on average UK temperatures. Designers and installers are encouraged to make sure the correct material is selected for the specific conditions during installation.



Scan the QR code below to visit the product webpage



DS0724_Air310FR

This datasheet represents the latest understanding of the subject. However, it is for the ultimate user to determine suitability of Novia products within specific applications. The advice and information we have provided is general in nature, and is subject to future revision.

NOTE: COSHH safety datasheets available upon request.

Date Published: V2, July 2024. Novia's most recently published datasheet supercedes any previous versions which may still be in circulation.



Airseal 310 FR Sealant (Fire Rated)

For Air & Vapour Control Layers

Specification Compliance

Novia AirSeal 310 FR has been independently tested to the following assessments:

1. Fire tested to the requirements of BS EN 1366-4 (linear gaps).
2. Tested to the requirements of ETAG 026 Parts 2 & 3 to demonstrate durability. (Appendix A)
3. BS EN 1634-1 2014 + A1 2018 – FD30 & FD60.
4. BS EN ISO 10140-2. 2010 Measurement of Airborne Sound Insulation of Building elements. University of Salford reports 2612-76;77 and 79 to 81. The sealant maintained the integrity of a plasterboard partition wall with a Sound Reduction Index of 55dB.
5. VOC test report classification – M1 and Indoor Air Comfort GOLD®.

Installation Guidance

To achieve a high-quality joint, ensure surfaces are dry and free of all dirt, oil, and loose material, using a wire brush if necessary. Non porous surfaces should be degreased using a suitable degreasing agent. Highly porous surfaces should be sealed with a suitable primer. For a cleaner finish, apply masking tape to each side of joint and gun sealant firmly into joint, smoothing off with a wetted spatula. Masking tape should be removed within 10 minutes of application.

Coverage: 1 cartridge is sufficient to produce approximately 1m linear length, using a 15mm x 20mm bead.

Due to the wide variety of construction materials available, it may be necessary to test the suitability of the surfaces and substrates to be sealed prior to use. **Novia® AirSeal 310 FR** is not suitable for use as the load-bearing element of a system, so the use of mechanical fastenings is always required. Use galvanised or stainless fixings that will be permanent, and are strong enough to support the weight of the installation.

Storage

Store in cool dry conditions. Protect from frost.

Health & Safety

Novia AirSeal 310 FR presents no known health hazards when used as recommended. Consult Health and Safety data sheet for further information. As with all chemical products, care should be taken during use and storage to avoid contact with foodstuffs, skin, eyes, and mouth. If accidentally ingested, seek medical attention do not induce vomiting and give copious amounts of water to drink. Always keep away from children and animals.

Further Information

These data are offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable; each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

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