

Intelligent Membranes® - Airtight Fleece Tape

Product description

The tape consists of modified polyamide with a fleece-film combination. The tape is composed of four layers and has a variable sd value. The aggressive self-adhesion of the full underside makes the tape very easy to install in completely hidden position in which it can be plastered and painted over without leaving adhesive marks on the masonry. Besides, a version with additional self-adhesive cover on the upper surface is available.

Product characteristics

- Moisture-depending sd value
- Suitable for rehabilitation and new construction
- High adhesive strength of the mounting strip on all kinds of window frames and different types of masonry base.
- Can be installed at low temperature
- Can be plastered and painted over
- Stretchable

Areas of application

Intelligent Membranes Airtight Fleece Tape can be used for indoor and outdoor sealing.

Form of delivery

Reels of application widths from 75 to 200 mm, see price list. As standard, Intelligent Membranes Airtight Fleece Tape is equipped with a fully self-adhesive side for connection to the window and to masonry. The cover film is perforated in longitudinal direction.

For easy installation, Intelligent Membranes Airtight Fleece Tape is equipped with an additional self-adhesive strip on the upper side.

Processing

The adhesive surfaces must be free from oil, grease and dust. Low temperatures can lower the adhesion. Adequate adhesion should be ensured through self-tests before further processing.

The base must be sufficiently load-bearing. At highly absorbing/porous surfaces and to enhance adhesion on cold, humid surfaces they may have to be treated with a suitable primer.

Intelligent Membranes Airtight Fleece Tape can be installed at low temperatures down to -10°C. However, there should be

no separating film, e.g., moisture, ice or hoar frost, on the surface on which the tape is installed because it would prevent the contact of the glue with the surface. The additional adhesive strip of the Intelligent Membranes Airtight Fleece Tape can be used at $\geq +5$ °C. Low temperatures can reduce adhesion. The dwell time in which the bond cannot be loaded is extended accordingly. Adequate adhesion should be ensured by performing your own tests before further processing. It is recommended to preheat the foil tape at low temperatures to +15 °C to +25 °C before processing.

Unreel Intelligent Membranes Airtight Fleece Tape and cut to length allowing about 5 cm extra. Pull off the cover film and carefully install the mounting strip to the back of the window with some pressure. Repeat this procedure on all sides of the window requiring sealing, both for the indoor and the out-door seal. Then align the window element, fasten, remove the remaining film cover, attach to the masonry and press the full surface on the masonry. No additional glue is needed for attaching the tape to the masonry base. Overlap the tape joints. The installation instructions supplied with the product should be observed.

Cleaning

The skin can be cleaned with soap and water. Residual adhesive can be removed with a petroleum-based cleaning agent. Please observe the safety regulations.



Clopton Farm
Lower Road
Croydon
SG8-0EF

United Kingdom
Tel (+44) 01223-208174
www.intelligentmembranes.com
info@intelligentmembranes.co.uk



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Technical data

Fibre/film composition		Combination of PP-fleece and PA film
Adhesive		Acrylate pressure-sensitive adhesive; 240g/m ²
Weight	EN 1849	approx. 350 g/m ²
Thickness	EN 1849	approx. 0.55 mm
Permitted total deformation		30%, related to the unglued tape width (it is necessary to allow for a loop / movement reserve during installation).
Elongation at break of the film	EN 12311-2	>30 %
Air-tightness	EN 1026	$a_n < 0,1 \text{ m}^3 / (\text{h m dPa}^{2/3})$, MPA*
Tightness to driving rain	EN 1027	$\geq 1050 \text{ Pa}$, MPA*
Resistance to water passage	EN 1928 / EN 13984	W1
sd value	EN 12572	$0.6 \text{ m} \leq s_d \leq 21.0 \text{ m}$ (moisture-variable), MPA*
Fire performance	EN 13501	Class E, MPA*
Emissions	EMICODE®	EC1 ^{Plus} , GEV*
Plasterability		Can be plastered over, MPA*
UV stability		12 months, MPA
Temperature resistance		-40°C to +80°C
Processing temperature		+5°C to +40°C can be used down to -10°C (see Processing)
Shelf life		24 months, dry at room temperature and in the original packaging

Disposal

Tape remnants can be disposed of with the household waste. Observe local regulations.

Safety instructions

On the basis of existing data and experience, the product is not hazardous material in the sense of the hazardous materials regulations and the corresponding EC directives. However, we recommend that you take the same care and use the same hygiene as with chemical materials.

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Restriction of liability

Our general terms and conditions of sale with warranty conditions, which you can refer to at www.intelligentmembranes.com, apply. This data sheet provides non-binding information without guarantee. The stipulated instructions for use are to be adapted to the respective conditions. The user is obligated to check the suitability and applicability through their own testing in order to avoid failures for which we assume no liability. Subject to technical changes.

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