# 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.



- 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.

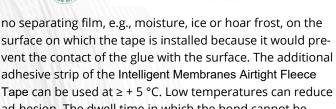
#### **Processing**

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





ad-hesion. The dwell time in which the bond cannot be loaded is extended accordingly. Adequate adhesion should be en-sured by performing your own tests before further pro-cessing. It is recommended to preheat the foil tape at low temperatures to +15  $^{\circ}$  C to +25  $^{\circ}$  C before processing.

Unreel Intelligent Membranes Airtight Fleece Tape and cut to length al-lowing 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.

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### **Technical data**

| Fibre/film composition          |                       | Combination of PP-fleece and PA film   |
|---------------------------------|-----------------------|--|
| Adhesive                        |                       | Acrylate pressure-sensitive adhesive; 240g/m <sup>2</sup>  |
| Weight                          | EN 1849               | approx. 350 g/m²   |
| 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 <sub>n</sub> < 0,1 m <sup>3</sup> / (h m dPa <sup>2/3</sup> ), MPA*  |
| Tightness to driving rain       | EN 1027               | ≥1050 Pa , MPA*  |
| Resistance to water passage     | EN 1928 /<br>EN 13984 | W1   |
| sd value                        | EN 12572              | $0.6 \text{ m} \le s_d \le 21.0 \text{ m}$ (moisture-variable), MPA*   |
| Fire performance                | EN 13501              | Class E, MPA*  |
| Emissions                       | EMICODE®              | EC1 <sup>Plus</sup> , 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 li-ability. Subject to technical changes.

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