

KEY BENEFITS SUMMARY

- Instant adhesion –no cure time
- No mess or waste –100% utilisation
- Simple to apply –user friendly
- Adheres to almost all plastic surfaces –wide compatibility

PRODUCT INFORMATION

Description

illbruck TN111 (formerly Alfas Trim Mounting Tape) is a double-sided foam tape that utilises 100% closed cell polymeric foam, coated with a high tack pressure sensitive adhesive system.

Usage/Purpose

illbruck TN111 was specially developed for the permanent bonding of internal, lightweight plastic finishing trims onto PVC-U window, door and conservatory profiles as well as other similar applications.

Limitations

illbruck TN111 is not designed to support heavy loads. Large, heavier profiles may require additional mechanical fixing. Not suitable for applications where the adhesive is exposed to UV light. Care should be taken to set the tape back from the exposed edge. Some grades of silicone may yellow in contact with tape.

Colour

White

Packaging

Thickness	1 mm	2 mm
Width*	10 - 20 mm	10 - 20 mm
Roll Length	50 m	25 m
Rolls / Carton	31**	31**

* Width may be cut to order, typical sizes shown.

** Applied to 10 mm width

Availability

Direct from Tremco illbruck (see back of leaflet for address and telephone details) or via local and national distributors.

USAGE GUIDELINES

Preparation

- illbruck TN111 does not require any special surface preparation or primers, although bonding surfaces should be free from dust, swarf, dirt and grease.
- Methylated spirit may be used for solvent cleaning. The substrate should be dried with clean tissue before application of the tape.

Temperature & Humidity

- The initial tack of the adhesive is temperature-dependent and the rate of bond strength formation can be reduced in cold weather.
- Moving cold materials to a warm area just prior to bonding can cause condensation on the substrate which would also reduce tack. Ideally, in cold conditions, the tape and substrates should be stored above 10°C prior to use.

Application

- The exposed adhesive face should be unwound and carefully located onto the surface of the trim section, setting back 1 to 2 mm from the edge of the section. (Fig. 1)
- For broad trims it is better to use two thinner strips of illbruck TN111 rather than a single wide strip. (Fig. 2)
- Immediately prior to mounting, the protective release film is removed and the trim is carefully positioned.
- Apply even pressure throughout the length of the trim in order to consolidate the bond. Exposed edges of the trim should be sealed using a compatible silicone sealant, which will also provide additional adhesion.
- Adhesion of the tape reaches optimum strength after 48 hours. Larger / heavier profiles may require mechanical fixing.

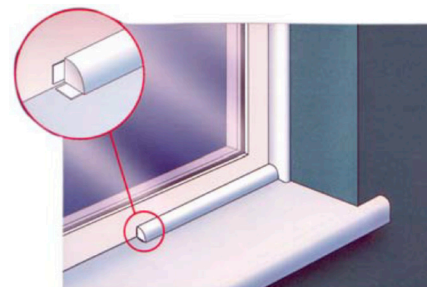


Fig 1 Positioning of TMT

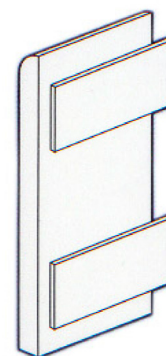


Fig 2 On broad trim, it is better to apply two thinner strips of tape

TECHNICAL DATA

Property	Standard	Classification
Material		polyethylene foam, coated on both sides with a high-tack, pressure-sensitive adhesive system
Minimum Application Temperature		+10°C
Working Temperature Range		-40°C to +80°C
Dynamic Tensile Adhesion (625 mm ² Al/Al)	BS 7116	307 N
Lap Shear Adhesion (625 mm ² Al/Al)	BS 7116	286 N
Loop Tack		72 N/25 mm
Shear Strength Static on Steel 1 kg 625 mm ² @23°C 1 kg 625 mm ² @60°C	BS 7116	40 ks 780 s
90° Peel Strength on Stainless Steel	BS 7116	36 N/25 mm

All figures shown are averages and are subject to tolerances. If physical property tolerances are of particular importance please consult the sales office.

Additional Information

The information provided herein represents general guidance only. The user is advised to conduct trials to establish suitability for his particular application.

Storage

Store in dry shaded conditions between +5°C and +25°C.

Shelf Life

12 months when stored as recommended in original unopened packaging.

Health and Safety Precautions

Product Safety Data Sheets must be read and understood before use.

Technical Service

Tremco illbruck has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Customer Services on 01942 251400.

Guarantee / Warranty

Tremco illbruck products are manufactured to rigid standards of quality. Any product which has been applied (a) in accordance with Tremco illbruck written instructions and (b) in any application recommended by Tremco illbruck, but which is proved to be defective, will be replaced free of charge.

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