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Uniclass L6739:P99		
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TN550

Security Glazing Tape

PRODUCT INFORMATION

Description

illbruck TN550 (formerly Alfas SGT®) is designed to replace the conventional internal wedge gasket in externally beaded windows and door systems. The product effectively bonds the glass unit into the frame making removal from outside virtually impossible. When correctly selected and installed, illbruck TN550 is capable of providing security to meet the requirements of BS 7950: 1997 "Specification for enhanced security performance of casement and tilt / turn windows for domestic applications."

illbruck TN550 is available in three grades, all of which are manufactured from either high density PVC foam or polyethylene (PE) foam. All grades are coated on two faces with a pressure sensitive, moisture resistant, cross linked adhesive system which is protected by a siliconised paper liner. The PVC versions offer superior load bearing characteristics and intrusion resistance due to their much higher integral strength.

Availability

- illbruck TN550 is supplied in roll form in a range of standard thicknesses and lengths - see table on reverse. The roll width is manufactured to suit the rebate / upstand height. The minimum contact width to the frame should be 10 mm + the width of the gasket groove. Greater widths will give improved performance.

- Tape thickness depends upon the method of bead retention, gasket hardness and glazed unit thickness and can only be determined by test glazing.
- A free test glazing service together with sample rolls and technical assistance is available upon request to our Sales Office or from our Area Sales Managers.
- illbruck TN550 must be used under compression in order to maintain pressure on the external bead / glazing gasket.

Certifications

illbruck TN550 is certified by the BBA – Certificate number 95/3199 (except 1 mm thickness).

Standards / Conformance

When correctly selected and installed, illbruck TN550 is capable of providing security to meet the requirements of BS 7950: 1997 "Specification of enhanced security performance of casement and tilt / turn windows for domestic applications."

Availability

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

USAGE GUIDELINES

Surface Preparation

- Both the frame and glass must be dry and clean of any contaminants that may inhibit adhesion.

Application

- Once applied to the frame, the product must be protected from weather until the glazing operation is complete.
- Please refer to separate published instructions.

Storage

Store rolls horizontally and in original carton between +10°C and +30°C in dry conditions and away from direct sunlight.

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.

TECHNICAL DATA

Application	Units	PVC - DST	PVC - DSX	PE - DSP
Density	Kg/m ³	235 (275)	235 (275)	33 (55)
Shore Hardness	OO	40 (75)	40 (75)	40 (50)
Intrusion Resistance Dynamic Tensile Adhesion Test – PVCu / Glass	kPa			
- 2 mm thick		645	598	238
- 3 mm thick		577	542	209
- 6 mm thick		545	458	182
- 8 mm thick		476	390	174
Tensile Strength	kPa	610 (1350)	610 (1350)	400 (500)
Recommended Compression by	%	20	20	20
Operating Temperature - Short Periods	°C	-30 / +60 -40 / +80	-30 / +60 -40 / +80	-30 / +60 -40 / +80

The figures quoted are averages and are subject to tolerances. Bracketed values are for 1 mm thickness only. If physical properties and/or dimensional tolerances are of particular interest please consult the sales office.

Thickness (mm)	1	1.5	2	3	5	4.5	5	6	8	10
Roll Length (m)	50	40	25	20	15	15	12	10	8	6
PVC - DST	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PCV - DSX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
PE - DSP	✓		✓	✓	✓		✓	✓	✓	✓

illbruck TN550 is available in black as standard. White and brown are available in certain material and thickness specifications.

Please check with our Sales Office for availability. All dimensions are subject to tolerances. If dimensional tolerances are of particular interest please consult the sales office. A standard cutting tolerance on width of ±1 mm applies.

Guarantee

illbruck TN550 is guaranteed for a period of fifteen (15) years from the date of purchase, providing that the material has been used under normal environmental conditions in the manner specified herein and that it has been correctly selected and applied. The guarantee is subject to our standard Conditions of Sale.

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.

No liability can be accepted for the information provided in this leaflet although it is published in good faith and believed to be correct. Tremco illbruck Limited reserves the right to alter product specifications without prior notice, in line with Company policy of continuous development and improvement.