

CI/SfB		Yt4	
CAW P22			
Uniclass L6753:P712			

Description

TN022 is a very high performance acrylic adhesive tape designed for glass edge retention in bomb blast glazing applications.

Dimensions

Thickness: 2.4 mm
Width: 25 mm

Technical Information

Characteristic	Classification
180° Peel Adhesion to ASTM D-3330	3,500 N/25mm
Holding Power to ASTM D-3654	>24 hours
Dynamic Strength to ASTM D-1002	3,500 kgf/cm ²
UV Resistance	Good
Tape Colour	grey on red PE film
Application Temperature	+5°C to +25°C
Service Temperature Range	Short term: -40°C to +160°C Long term: -40°C to +100°C
Storage	Store product flat in cool, dry conditions between +10°C and +25°C in original packaging.
Shelf Life	12 months when stored as recommended.

Compatibility

Any glazing sealant or other material coming into contact with, or in close proximity to the tape must be tested for compatibility before use. Where intended for use in bomb blast applications, tremco illbruck technical representatives must be consulted and training on application techniques given to all operatives prior to use.

Surface Preparation (Glass)

- The glass must be dry and clean of any contaminants that may inhibit adhesion.
- The tape should not be applied if the glass is below 15°C.
- Silane primer should be used to enhance the long term bonding characteristics, the primer should be applied and then allowed to fully flash off before the tape is applied.
- Technical support is available to confirm compatibility before use.

Surface Preparation (Frame)

- The frame must be dry and clean of any contaminants that may inhibit adhesion. To achieve this, the frame should be cleaned with an IPA/water mix (50/50) on a lint free cloth to remove any contaminants.
- The frame should then be primed with illbruck Primer 94 (see manufacturers datasheet for more details) this should be applied and fully allowed to flash off before the tape is applied.
- The tape should not be applied to substrates that are below 15°C.
- This methodology is designed for anodised aluminium, galvanised and stainless steel, if a different substrate is to be used please contact tremco illbruck technical services for advice before use.



TN022

High Impact Glazing Tape

Usage / Purpose

TN022 is a very high performance glazing tape which has been developed to enhance the security of bomb blast protection windows and doors. The product is designed to replace the original internal gasket, bonding and sealing the glass unit to the frame with the ability to retain the glazing within the frame during and after an explosion. This has been tested in accordance with ISO 16933 : 2007 Glass in building - Explosion-resistant security glazing - Test and classification for arena air-blast loading.

Key Benefits

- Tested for use in bomb blast resistant glazing applications
- Exceptional performance in dynamic shear, peel and tensile loading
- High initial bond strength
- Excellent long-term resistance to weathering, temperature fluctuation and effects of UV

High Impact Glazing Tape

Application

- Prior to application, allow the tape to condition at a temperature of between 15- 30°C for a minimum 24 hours.
- The tape should be applied to the first substrate with the corners either mitred or butt cut.
- The tape should then be firmly rolled or pressed into place.
- The second substrate should then be bonded and the whole unit rolled or pressed to ensure wet out of the tape on both substrates.

Please Note

Suitable for factory installation only. Not intended for site application.

Health & Safety Precautions

Safety data sheet 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.

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.



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