

CI/SfB		Yt3	
CAW Z20			
Uniclass L6739:P99			

Description

TN545 is a self-adhesive high density PVC foam tape with a pressure sensitive acrylic adhesive supplied on an easy to use roll.

Packaging

Thickness:

0.8 mm, 1.5 mm, 3 mm, 4.5 mm & 6 mm in black & grey
2.5 mm in grey only

Widths: Depending on thickness from 6 mm to 1,220 mm
(1,210 mm for 6 mm)

Colour

Black and grey (other colours to order).

Technical Information

Property	Standard	Results
Foam Density		220-225 kg/m ³
Tensile Strength	DIN 53571	88 N/cm ²
Elongation	DIN 53571	>140%
Compression Set		10% maximum 90-98% recovery
Water Absorption		8% by volume
Shore 00 Hardness		55 - 75
Resistance to Ageing		Excellent
Resistance to Chemicals		
Acids		Good
Mineral Oil		Good
Alcohol		Good
Alkalis		Good
Petrol		Good
Soap & Detergents		Good
Ozonr and Salt Water		Good
Spray		Good
UV Resistance		Good
Compression Required to Achieve a Positive Waterseal		30%
Force to Compress by 30%		6.3 N/cm ²
Compression Deflection After 1 Minute		5.3 N/cm ²
Peel Adhesion 180° 10 Minimum Dwell		5 N/25mm
Application Temperature		+10°C to +30°C
Service Temperature		-20°C to +70°C
Storage	Store in shaded dry conditions not exceeding 23°C and 50% RH	
Shelf Life	24 months when stored as recommended in original unopened packaging	

Preparation

- Ensure bonding surfaces are free from irregularities and loose particles which may impair adhesion.
- Dust, dirt and grease can be removed using AT115 Solvent Cleaner. Where substrates are sensitive to solvent attack, clean with warm water and allow to dry.
- The substrate must always be dry before application of the tape.



TN545

Water, Air & Dust Seal

Usage / Purpose

TN545 is a single sided high density PVC foam tape which when compressed by 30% can be used to foam a water and air/dust seal. Suitable in applications requiring heavy compression.

Key Benefits

- Excellent Insulation performance against shock, vibration and movement
- When under compression (30%), provides an effective weather seal against wind and rain
- Provides a barrier to thermal bridging, galvanic corrosion and acoustic transmission
- Pale blue release paper on the non-adhesive face to prevent stretching when applying and to protect the foam

Water, Air & Dust Seal

Application

- The exposed adhesive face should be unwound gradually, and carefully located onto the surface of the substrate. Care must be taken to avoid compressing or stretching the tape during location- this could induce peeling forces and cause the tape to lift from the substrate.
- Once the tape has been positioned then apply even pressure throughout the length using a roller, starting at the centre and moving to each end to avoid stretching.
- The assembly must provide sufficient force to compress the tape by 30% of original thickness if a weatherseal performance is required. Over compression should be avoided.
- Joints may be made by mitring corners or butting the tape ends tightly together. In all cases the tapes should be cleanly cut at slightly longer length than required to ensure compression of the joining faces, and formation of a tight joint.

Please Note

Do not use in continuously submerged applications. Tape must be under minimum 30% compression to achieve an effective seal. Users are advised to conduct their own tests in order to determine the suitability of the product for the particular application. Contact of the tape with solvents or corrosive chemicals should be avoided. Not suitable as replacement for gasket in make-and-break type seals.

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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