

CI/SfB		Yt3	
CAW Z20			
Uniclass L6739:P99			

Description

TN551 is soft fast recovery PVC foam coated on one side with a pressure sensitive acrylic adhesive. The non-adhesive face has a fixed clear PET liner to allow for easy smooth unwind and no paper liner. The high tack acrylic adhesive bonds to a wide variety of surfaces including, glass, aluminium, HD plastics and others.

Colour

White / black

Packaging

Thickness: 3, 4, 5, 6 & 8 mm

Width: 6 to 1,200 mm

Any width within the range noted above can be cut subject to minimum order quantities. Stock sizes are available and our Customer Services team can supply details as well as advise on cut to order sizes, minimum order quantities and lead time.

Technical Information

Property	Results
Foam Type	PVC
Foam Density	150 kg/m ³
Adhesive Format	Single sided
Adhesive Type	Modified acrylic
Resistance to Deformation Under Compression (DIN 53576/B)	
Crushing on initial thickness of 25%	89 N
Crushing on initial thickness of 40%	247 N
Crushing on initial thickness of 65%	1,050 N
Residual Deformation After Compression (DIN 53572) - Room temperature, crushing 50%, 72 hours	
Residual deformation after 30 min	14.6 N
Residual deformation after 4 h	8.2 N
Residual deformation after 24 h	5.3 N
Dimensional Stability after Heat Treatment	
4 h at 60°C (Longitudinal Direction)	-0.6 N
4 h at 60°C (Transverse Direction)	-0.5 N
4 h at -30°C (Longitudinal Direction)	+0.1 N
4 h at -30°C (Transverse Direction)	+0.1 N
Thermal Conductivity	0.19 W/(m.K)
Service Temperature	-20°C to +90°C
Storage	Store in shaded dry conditions between +5°C and +25°C
Shelf Life	12 months when stored as recommended in original unopened packaging



TN551

Single Sided PVC Foam with Filmic Liner

Usage / Purpose

TN551 is a medium density PVC foam with a fixed polyester liner on one side and acrylic adhesive on the other. Supplied as a self wound tape. Is ideal for use in cladding, industrial doors and acoustic panelling as an air, dust, water and acoustic seal.

Key Benefits

- The polyester liner acts as a low friction surface allowing easy positioning of parts
- The polyester liner acts as a release liner so reduces waste on site
- The partially open cell nature of the foam allows excellent conformability to rough surfaces

Single Sided PVC Foam with Filmic Liner

Resistance to tensile strength/maximum extension (DIN 53571) and change in terms of dimension of original sample and after different treatments/ageing

	Tract (N/ mm ²)	Extension (%)	Average Dimension Variance (%)	
Original Sample	0.34	22		
Warm (60°C)	0.29	258	4.4	+
Cold (-30°C)	0.42	195	- 4.7	
Ageing 24 h in steam (hydrolysis 100°C (DIN 53578))	0.32	200	56.6	-
In mineral oil (DIN 53428)	0.23	102	- 4.1	
In Alcohol (DIN 53428)	0.18	24	14.3	-
In alkaline solution (NaCl 25%) (DIN 53428)	0.32	237	1.5	+
In water (DIN 53428)	0.33	232	2.5	+
In Petrol (iso-octane) (DIN 53428)	0.59	19	26.5	-
In concentrated acid solution (H ₂ SO ₄ 40%) (DIN 53428)	0.35	233	0.1	+
In concentrated alkaline solution (NaOH 40%) (DIN 53428)	0.35	226	- 0.1	

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.

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, 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 lengths than required to ensure compression of the joining faces, and formation of a tight joint.

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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