

# Tremco® TN583 Tape

## High Performance Structural Spacer Tape

A SPECIALISED LOAD BEARING  
FOAM TAPE

USAGE GUIDELINES

### Key Benefits Summary

- ❑ Excellent service temperature range
- ❑ High tensile strength
- ❑ Easy to apply
- ❑ Able to withstand high loads

### PRODUCT INFORMATION

#### DESCRIPTION

Tremco TN583 Tape is a specialised load bearing foam tape that forms an effective short-term bond between the frame, glass and/or aluminium panel during assembly and creates a gap of the correct dimensions for the structural silicone adhesive, which is used as the primary bond.

#### USAGE/PURPOSE

Designed to act as a spacing element between the glass and/or aluminium panel and frame during the assembly of structural glazing fabrications.

#### LIMITATIONS

Tremco TN583 Tape is designed to be used as a spacer only. The product is not designed to form structural load bearing bonds.

#### PACK SIZE

- | PACK SIZE         | PRODUCT CODE |
|-------------------|--------------|
| ❑ 6mm x 7mm x 10m | 279054       |
| ❑ 6mm x 9mm x 10m | 275098       |
| ❑ 8mm x 12mm x 8m | 275099       |
| ❑ 8mm x 9mm x 8m  | 275097       |

*Other sizes are available subject to minimum order or agreement.*

All dimensions are subject to tolerances. A standard cutting tolerance of  $\pm 0.5$ mm applies to all widths up to 10mm and  $\pm 1$ mm for all widths greater than 10mm. If dimensional tolerances are of particular interest please consult the sales staff.

#### COLOUR

Black

### TECHNICAL INFORMATION

Thickness	Results
Foam Type	PVC
Density	320 - 350 kg/m <sup>3</sup>
Thermal Conductivity Coefficient	0.052 W/m.K
Tensile Strength	>1000KPa
Force To Compress 10% (ASTM D1667)	
at 0 seconds	80 - 310KPa
at 60 seconds	40 - 160KPa
Elongation at Break	>160%
Hardness Shore OO	65 - 80
Service Temperature Range	-30 to +60°C
Application Temperature Range	+10 to +30°C

*NOTE: Typical Properties should not be used as Specifications.*

#### SURFACE PREPARATION

Surfaces must be clean and dry before application. The use of alcohol based solvents when cleaning the frame, glass and aluminium panel prior to application is recommended.

#### APPLICATION

- ❑ Unwind the tape and apply the 'open' face directly to the frame.
- ❑ Cut to the required length forming tight butt joints at the corners
- ❑ Press the tape firmly down onto the surface by hand or by using a seam roller.
- ❑ Remove the protectiveliner immediately before glazing.
- ❑ Carefully position the glass and/or aluminium panel onto the tape and apply pressure to consolidate the bond.
- ❑ The structural silicone adhesive can now be applied.

#### STORAGE

Store rolls horizontally and in original carton between +5°C and +25°C in dry conditions and away from direct sunlight.

#### SHELF LIFE

12 months when stored as recommended in original unopened packaging.

#### HEALTH & SAFETY PRECAUTIONS

The Material Safety Data Sheet (MSDS) must be read and understood prior to use.

#### TECHNICAL SERVICE

TREMCO has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information or service and advice, please call Customer Services on (02) 9638 2755 or fax (02) 9638 2955.

#### GUARANTEE/WARRANTY

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

Any information provided by TREMCO in this document in relation to TREMCO's goods or their use is given in good faith and is believed by TREMCO to be appropriate and reliable. However, the information is provided as a guide only, as the actual use and application will vary with application conditions which are beyond our control. TREMCO makes no representation, guarantee or warranty relating to the accuracy or reliability of the information and assumes no obligation or liability in connection with the information. To the extent permitted by law, all warranties, expressed or implied are excluded.