Description
TN577 is a double-sided adhesive on PVC Security Glazing Foam conforming to BSI 7950:1997 PAS 011 7.3.1.

Packaging
Thickness: 1, 1.5, 2, 3, 4, 6, 8, 10 and 12 mm
Width: 6 to 960 mm
Any width within the range noted above can be cut subject to minimum order quantities. Stock size are available and our Customer Service team can supply details as well as advise on cut to order sizes, minimum order quantities and lead time.

Technical Information

<table>
<thead>
<tr>
<th>Property</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foam Type</td>
<td>PVC</td>
</tr>
<tr>
<td>Foam Density</td>
<td>220-250 kg/m³</td>
</tr>
<tr>
<td>Adhesive Format</td>
<td>Double sided</td>
</tr>
<tr>
<td>Adhesive Type</td>
<td>Modified solvent acrylic</td>
</tr>
<tr>
<td>Tape Colour</td>
<td>Black and white</td>
</tr>
<tr>
<td>Application Temperature</td>
<td>+15°C - advisory</td>
</tr>
<tr>
<td>Service Temperature</td>
<td>-20°C to +90°C</td>
</tr>
<tr>
<td>Recommended Compression</td>
<td>20% required to achieve a positive water seal</td>
</tr>
<tr>
<td>Storage</td>
<td>Store in shaded dry conditions between +5°C and +20°C</td>
</tr>
<tr>
<td>Shelf Life</td>
<td>12 months when stored as recommended in original unopened packaging</td>
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</tbody>
</table>

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 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 role, starting at the centre and moving to each end to avoid stretching.
- With double sided tapes the protective release film is not removed until immediately prior to joint assembly.
- The assembly must provide sufficient force to compress the tape by 20% of original thickness for security applications and 30% if 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 jointing faces and formation of a tight joint.

Usage / Purpose
TN577 is used for high grade security glazing especially in timber windows due to its conformable nature and for bonding and sealing in applications requiring good ageing properties.

Key Benefits
- 10 year guarantee when used as a security glazing tape in UPVC windows
- Excellent resistance to ageing
- Very good water resistance
Please Note
Users are advised to conduct their own tests in order to
determine the suitability of the product for the particular
application. All slitting and length tolerances are to British
Standards, but other tolerances are available by request.

Health & Safety Precautions
Safety data sheet must be read and understood before use.