

## PRODUCT DATA SHEET

# EVERBUILD® EVERFLEX® 700T Silicone

Fast cure, low modulus, neutral cure sealant for the PVCu and Roofline Industry

### PRODUCT DESCRIPTION

EVERBUILD® EVERFLEX® 700T Silicone is a low modulus, neutral cure RTV silicone sealant that adheres to a wide range of both porous and non porous surfaces without the need for priming. EVERBUILD® EVERFLEX® 700T Silicone is formulated to a high viscosity to give excellent tooling properties.

### USES

- Perimeter pointing internally and externally around PVCu /wood and all other window frames.
- Sealing and as an adhesive onto PVCu, plastic trims and components.
- Suitable as an expansion joint sealant.
- Weather sealing and joint sealing to pre-formed panels.
- Sealing soft metals such as lead, copper and zinc.
- General draught proofing.
- Parapet and roof weather sealing applications.

### CHARACTERISTICS / ADVANTAGES

- Excellent adhesion - adheres to most common surfaces including glass, metals, plastics and wood.
- Low dirt pick up - important in PVCu work.
- Good external weathering properties.
- Suitable for use on polycarbonate.

### APPROVALS / STANDARDS

Certified under EN15651 for façade, cold climate and sanitary applications in compliance with the Construction Product Regulation in UK and EU.

### PRODUCT INFORMATION

Chemical Base	Neutral cure silicone
Packaging	300 ml Cartridges
Shelf Life	From date of manufacture: Trans 18 months, Colours 12 Months
Storage Conditions	Store in original unopened containers between +5 °C and +25 °C
Colour	Black, Brown, Bronze, Caramel, Mahogany, Translucent and White
Density	Colours ca. 1.35 g/cm <sup>3</sup> Translucent ca. 1.0 g/cm <sup>3</sup>

### TECHNICAL INFORMATION

Shore A Hardness	20 to 30
Modulus of Elasticity in Compression	<0.4 MPa

<b>Secant Tensile Modulus</b>	<0.4 MPa at 23 °C (ISO8339)
<b>Elongation at break</b>	>200 % (ISO8339 @ 23 °C)
<b>Movement Capability</b>	25 % (ISO9047)
<b>Shrinkage</b>	<10 % (ISO10563)
<b>Service Temperature</b>	-50 °C to +120 °C
<b>Joint Design</b>	<p>Maximum depth 50 % of joint width; movement capacity will be impaired if the depth of the joint is greater than the width. For maximum movement accommodation, it is recommended that:</p> <ol style="list-style-type: none"> <li>1. The joint depth should be no less than 5 mm</li> <li>2. Joint depth should be 5 mm for joints up to 10 mm wide</li> <li>3. Joints above 10 mm in width should be half the width in depth up to 20 mm</li> </ol> <p>For deep joints, reduce depth by using Fix and Fill Expanding Foam or a suitable joint backer rod.</p> <p>All joints should be designed so that the seal is placed in a position which does not retain water or form a water trap. Triangular fillets should be no less than 12 mm across the face and should be finished with a flat or convex face.</p>

## APPLICATION INFORMATION

<b>Yield</b>	10.5 Linear metres for a 6 mm diameter bead.
<b>Sagging</b>	<3 mm (ISO7390)
<b>Ambient Air Temperature</b>	+5 °C to +40 °C
<b>Curing Rate</b>	1 mm per 24 hours
<b>Skin Time</b>	5 - 25 minutes.

## VALUE BASE

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## LIMITATIONS

- Do not use in conjunction with bitumen asphalt, neoprene and certain organic elastomers.
- Do not use in the manufacture of Aquariums. Use Aqua Mate Sealant
- Do not use on substrates that bleed oil, solvents or plasticisers.
- Non overpaintable. Use Weather Mate
- Not suitable for bedding I. G Units – Use 450 Builders Silicone

## ECOLOGY, HEALTH AND SAFETY

User must read the most recent corresponding Safety Data Sheets (SDS) before using any products. The SDS provides information and advice on the safe handling, storage and disposal of chemical products and contains physical, ecological, toxicological and other safety-related data.

## APPLICATION INSTRUCTIONS

## SUBSTRATE PREPARATION

The surfaces must be clean, dry and free from dust, grease and other contaminants. As quality of plastics can vary, always carry out adhesion tests prior to large scale use.

Improve adhesion by wiping surface with PVCu Solvent Cleaner or white spirits (painted surfaces). Priming is generally not required, although we always advise testing small areas prior to use. Prime with Everbuild® Silicone Primer P1 for porous and NP2 for non-porous substrates if priming is to be conducted.

## APPLICATION METHOD / TOOLS

Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut at an angle of 45 ° with an opening slightly larger than the gap to be sealed. Apply using a standard sealant gun. Best results will be obtained by keeping an even pressure on the trigger and keeping the gun at a constant angle to the surface being sealed. To ensure a proper bond, always smooth the sealant down with a spatula or piece of wood. An improved joint appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application.

## CLEANING OF TOOLS

Uncured sealant - White Spirit or Everbuild® Wonder Wipes®

## LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

## LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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