

# PRODUCT DATA SHEET

## EVERBUILD® EVERFLEX® 900N Silicone

Fast setting, oxime cure silicone

### PRODUCT DESCRIPTION

EVERBUILD® EVERFLEX® 900N Silicone is a fast setting, oxime cure low modulus sealant, specially developed for PVC building and roofline applications. The glossy, flexible finish makes it ideal for perimeter pointing of PVCu window frames and doors, sealing plastic roofline areas such as soffits and bargeboards and for expansion joints to brick, stone, concrete and composite panels.

### 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, including repair work over existing sealant.
- 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
- Excellent external weathering properties.
- Mould resistant
- Certified under the harmonized European standard EN15651 for façade, cold climate and sanitary applications in compliance with the Construction Product Regulation

<b>Shrinkage</b>	<20%
<b>Application Temperature</b>	+5°C to + 40°C
<b>Resistance</b>	
<b>Joint ratio</b>	Maximum depth 50% of joint width
<b>Viscosity (bfl, S70, 10rpm)</b>	120,000 – 270,000 cP

### PRODUCT INFORMATION

<b>Packaging</b>	295ml Cartridge
<b>Colour</b>	Brown, Translucent, White
<b>Shelf Life</b>	18 months from date of manufacture
<b>Storage Conditions</b>	Store in original unopened containers between 15°C and 30°C
<b>Density</b>	0.95-1.05 g / cm <sup>3</sup>

### TECHNICAL INFORMATION

<b>Shore A Hardness</b>	20 approx
<b>Tensile Strength</b>	1.0MPa

<b>Elongation at Break</b>	700-900% to DIN53504
<b>Movement Capability</b>	+ or -12.5% EN15651-1
<b>Service Temperature</b>	-50°C to + 120°C
<b>Joint Design</b>	<p>Joint design should be as follows:  Minimum width: 5mm. Movement capacity will be impaired if the depth of the joint is greater than the width. For maximum movement accommodation, it is recommended that:  The joint depth should be no less than 5mm  Joint depth should be 5mm for joints up to 10mm wide  Joints above 10mm in width should be half the width in depth up to 20mm and minimum 10mm for wider joints  For deep joints, reduce depth by using FIX AND FILL EXPANDING FOAM or a suitable joint backer rod.  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 12mm across the face and should be finished with a flat or convex face.</p>

## APPLICATION INFORMATION

<b>Consumption</b>	10 linear meters @ 9 x 9mm fillet joint
<b>Curing Time</b>	2 mm per 24 hours
<b>Skin Time</b>	5 - 20 mins.

## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

The surfaces to be 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 EVERFLEX PVC SOLVENT CLEANER (pvc) or white spirits (painted surfaces). Priming is generally not required, although we always advise testing small areas prior to use.

### APPLICATION METHOD / TOOLS

Cut the tip of the cartridge taking care not to damage the thread. Apply nozzle and cut cleanly 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 gun trigger and keeping the gun at a constant angle to the surface being sealed. Smooth down within 10 minutes of application using a wetted spatula, piece of wood or wetted finger. Any excess sealant can be removed with white spirit.

### CLEANING OF TOOLS

Uncured sealant white spirit, Cured sealant EVERFLEX SILICONE EATER.

### 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
- Do not use on substrates that bleed oil, solvents or plasticisers.
- Non overpaintable. Use WEATHER MATE SILICONE
- Not suitable for bedding I. G Units – Use Silicone 450
- Do not use on polycarbonate.

## 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.

## 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.

## ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards

## 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 war-

ranty 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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