

# PRODUCT DATA SHEET

# EVERBUILD® Heat Resistant Silicone

A HIGH TEMPERATURE RESISTANT SILICONE, HEAT STABLE UP TO 300°C.

## PRODUCT DESCRIPTION

EVERBUILD® Heat Resistant Silicone is a high temperature resistant, fast cure, silicone heat stable up to 300°C. It's a permanently flexible and high modulus sealant. Ideal for joints and assemblies in ducting, metal chimneys, industrial/domestic ovens, and heating appliances. Excellent adhesion to most non-porous surfaces.

## USES

- For joints and assemblies which must be resistant to high temperatures in ducting, metal chimneys, industrial/domestic ovens, heating appliances.
- As a gasket sealant.

## CHARACTERISTICS / ADVANTAGES

- Permanently flexible.
- Temperature resistant up to 300°C.
- Quick curing, tack free within 1 hour.
- Excellent adhesion to most non porous surfaces.

<b>Shrinkage</b>	<5%
<b>Cleaning</b>	Uncured sealant - White Spirit Cured sealant - Silicone Eater
<b>Coverage</b>	@ 11 linear metres from a 6mm bead
<b>Skimming Time</b>	5 mins @ 20°C

## PRODUCT INFORMATION

<b>Chemical Base</b>	Acetoxy cure silicone
<b>Packaging</b>	310ml Cartridge
<b>Colour</b>	Black
<b>Shelf Life</b>	Up to 24 months when stored according to manufacturers instructions.
<b>Storage Conditions</b>	Store in a cool, well ventilated area. Keep container tightly closed. Store in original containers between +5 and +25°C. Storage outside these parameters will dramatically reduce shelf life and invalidates all product warranties.
<b>Density</b>	ca. 1.04 g/cm <sup>3</sup>

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## TECHNICAL INFORMATION

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Shore A Hardness	ca. 20
Tensile Strength	1.0 MPa at Break
Secant Tensile Modulus	0.49 MPa at 100%
Elongation at Break	150%
Service Temperature	-40 to +270°C, 300°C for short exposures
Joint Design	Minimum Joint Width - 6mm Maximum Joint Width - 30mm Joint Ratio - Maximum depth 50% of joint width

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## APPLICATION INFORMATION

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Curing Time	upto 3mm per 24 hours dependant on temperature and humidity
Skin Time	5 mins @ 20°C
Application Time	+ 5 to 40°C

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## APPLICATION INSTRUCTIONS

### SUBSTRATE PREPARATION

Surfaces must be clean, dry and free from dust, grease and other contaminants.  
Improve adhesion by wiping surface with white spirits.  
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 degrees 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 surfaces to be sealed.  
To ensure a proper bond, always smooth down sealant using a spatula or piece of wood wetted with soap and water solution.  
Tool down within 15 minutes of application.  
An improved appearance can be achieved by placing masking tape to both sides of the joint, removing within 5 minutes of application.

### LIMITATIONS

- Do not use on porous surfaces such as brick, concrete and stone.
- Do not use on soft metals such as lead.
- Do not use on surfaces that bleed oils or plasticizers.
- It is the user's responsibility to determine suitability for use. If in doubt, please contact Technical Services Department for advice.

### 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 the 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 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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