

PRODUCT DATA SHEET

EVERBUILD® Heat Resistant Silicone

A HIGH TEMPERATURE RESISTANT SILICONE, HEAT STABLE UP TO 275 °C.

PRODUCT DESCRIPTION

EVERBUILD® Heat Resistant Silicone is a high temperature resistant, fast cure, silicone heat stable up to 275 °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 275 °C.
- Quick curing, tack free within 1 hour.
- Excellent adhesion to most non porous surfaces.

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

PRODUCT INFORMATION

Chemical Base	Acetoxy cure silicone
Packaging	310 ml Cartridge
Shelf Life	Up to 24 months when stored according to manufacturers instructions.
Storage Conditions	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.
Colour	Black
Density	ca. 1.04 g/cm ³

TECHNICAL INFORMATION

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 °C to +250 °C, +275 °C for short exposures
Joint Design	Minimum Joint Width - 6 mm Maximum Joint Width - 30 mm Joint Ratio - Maximum depth 50 % of joint width

APPLICATION INFORMATION

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

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 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.

ECOLOGY, HEALTH AND SAFETY

Consult MSDS for full list of hazards.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

Surfaces must be clean, dry and free from dust, grease and other contaminants.

Improve adhesion by wiping surface with white spirit. 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.

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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