

PRODUCT DATA SHEET

SikaSeal® General Purpose Silicone

A multi-purpose, mid modulus silicone sealant.

PRODUCT DESCRIPTION

SikaSeal® General Purpose Silicone is a multi-purpose acetoxycure silicone sealant that cures quickly to provide a permanently flexible, high strength waterproof seal. It contains a fungicide to protect the sealant against the growth of bacteria, mildew and black mould that are commonly found in areas of high humidity.

USES

- Sealing around baths, showers, basins and other sanitaryware.
- As an adhesive for fixing PVCu trims, cladding and panels.
- Sealing around worktops and laminates.
- For aluminium gutter sealing.
- General draught proofing.

CHARACTERISTICS / ADVANTAGES

- Anti-fungal formula.
- Quick curing - low dirt pick up.
- Low viscosity for fast application.
- High strength waterproof seal.
- 12.5 % movement.

APPROVALS / STANDARDS

Certified under the harmonized European standard EN15651 for façade, cold climate and sanitary applications in compliance with the Construction Product Regulation.

PRODUCT INFORMATION

Packaging	260 mL cartridge with nozzle.
Colour	White*, Clear*, Brown, Black and Grey.
Shelf Life	24 months from date of manufacture.
Storage Conditions	Store in cool dry conditions between + 5 °C and 25 °C.
Density	~0.95 g/cm ³
Shore A Hardness	5 - 15
Secant Tensile Modulus	~0.2 MPa @ 60 % (ISO 8339)
Movement Capability	12.5 % (ISO 9047)
Service Temperature	- 30 °C to +150 °C
Joint Design	Minimum joint width - 4 mm Maximum joint width - 25 mm

Joint ratio - Maximum depth 50 % of joint width.

Elongation at break	> 200 % (ISO 8339)
Yield	One cartridge will seal approx. 9 linear metres for a 6 mm diameter bead. One tube will seal approx. 3 linear metres for a 6 mm diameter bead.
Ambient Air Temperature	+ 5°C to + 40°C
Curing Time	2 mm per 24 hours
Skin Time / Laying Time	15 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

- Not for use in aquarium manufacture. Use EVER-BUILD® AQUAMATE.
- Not for use in conjunction with bitumen or asphalt. Use WEATHERMATE.
- Not for use on highly porous surfaces such as new concrete or stonework. Priming is advised or use CONSTRUCTION SILICONE.
- Not for use on substrates that may bleed oils, solvent or plasticisers.
- Do not use in the vicinity of, or in conjunction with, the edge sealant of double glazed units. Use CONSTRUCTION SILICONE.
- Do not use for perimeter pointing of uPVC. Use LMN FRAME SILICONE ULTRA.
- Do not use on soft metals such as lead and brass. Use ROOFLINE REPAIR & PROTECT.
- Not overpaintable.

ECOLOGY, HEALTH AND SAFETY

Local safety regulations must be observed and it advisable to wear PPI when working with this product with particular attention paid to cutting and handling. Transportation Class: The product is not classified as hazardous good for transport. Disposal: The material is recyclable. Disposal must be according to local regulations. Please contact your local Sika sales organisation for more information.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. Glass, steel and aluminium should be cleaned with a proprietary solvent prior to application for optimum adhesion. Porous surfaces may require priming - a small area should be tested first.

APPLICATION METHOD / TOOLS

Reference should be made to the recommended joint ratios. If necessary reduce joint depth using Sika Boom® Expanding Foam, or joint backer rod. Furthermore, ensure that the joint design only permits adhesion to two surfaces, as three sided adhesion will impair flexibility.

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.

For Easi Squeeze tube, cut nozzle at a 45 ° angle with an opening slightly larger than gap to be sealed. Apply applying even pressure to the tube.

Smooth down within 15 minutes of application. To ensure a proper bond, always smooth the sealant down using a spatula or piece of wood wetted with a soap and water solution. An improved appearance can be achieved by placing masking tape to both sides of the joint.

CLEANING OF TOOLS

Uncured sealant - white spirit or Sika® 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 the 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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