

## PRODUCT DATA SHEET

## Sikasil® S50

A mid modulus, acetoxy curing silicone sealant

## PRODUCT DESCRIPTION

Sikasil® S50 is a mid modulus, acetoxy curing silicone sealant that contains a powerful anti-fungal compound to prevent mould and fungal growth in the sealant in areas of high humidity. It gives improved adhesion and flexibility when compared to standard high modulus sanitary grades.

## USES

- Sealing around all types of baths.
- Sealing around shower trays.
- Expansion joint and corner sealing of ceramic tiles.
- Sealing around sanitary fittings in domestic and municipal applications.
- General sealing in areas subject to high humidity levels.
- As an adhesive for cosmetic bath & shower trim.

## PRODUCT INFORMATION

Chemical Base	Acetoxy cure silicone
Packaging	310 ml cartridge
Colour	Jasmine, Manhattan Grey, Translucent & Sanitary White
Shelf Life	Use within 24 months of manufacture.
Storage Conditions	Store in cool dry conditions between +5 °C and +25 °C
Density	ca.1.00 g/cm <sup>3</sup> at +20 °C

## TECHNICAL INFORMATION

Shore A Hardness	ca. 15
Tensile Modulus of Elasticity	ca. 0.3 N/mm <sup>2</sup>
Elongation	Measured at >400 % (ISO 8339)
Elongation at Break	Measured at 1.15 N/mm <sup>2</sup> (ISO 8339)

## CHARACTERISTICS / ADVANTAGES

- High viscosity formula for quick easy tooling.
- Flexible - movement accommodation of +/- 20 %.
- Waterproof seal.
- Contains a powerful anti fungal compound to prevent mould growth in the sealant.

## APPROVALS / STANDARDS

- The mid modulus nature of the formulation gives improved adhesion and flexibility when compared to standard high modulus sanitary grades.
- Conforms to ISO 11600 F/G20LM.
- UKCA and CE Marked under EN15651 for façade, glazing and sanitary application. Also certified for use in cold climates.

<b>Shrinkage</b>	<10 % (ISO 10563)
<b>Elastic Recovery</b>	>80 % (ISO 7389)
<b>Movement Capability</b>	+/- 20 % (ISO 9047)
<b>Service Temperature</b>	-40 °C to +150 °C
<b>Sag Flow</b>	0 mm (ISO 7390)
<b>Curing Time</b>	3-4 mm per day (+23 °C and 50 % RH)
<b>Skin Time</b>	15 minutes at +20 °C / 50 % RH

## 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 or Asphalt, use Weather Mate®.
- Do not use in aquaria, use Aqua Mate® sealant.
- Do not use on anodized or chrome plated shower trims, use 450 Builders Silicone.
- It is the users responsibility to determine suitability for use.
- If in doubt contact technical services for advice.
- Staining from plasticiser migration may occur when used on cast, reconstituted or natural stone such as granite, marble or limestone substrates. Customers should test a sample prior to application.

## 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

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

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Sikasil® S50 does not require a primer on most common surfaces, although adhesion tests are recommended prior to full scale application.

## 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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