

## PRODUCT DATA SHEET

## Sikasil® HM

## Sanitary Grade Silicone

## PRODUCT DESCRIPTION

Sikasil® HM is a premium, acetoxy curing silicone sealant engineered to provide enhanced body and superior toolability in sanitary applications. It contains powerful anti-fungal compound to prevent mould and fungal growth to the sealant in areas of high humidity.

## USES

- Sealing around all kitchen and bathroom sanitary areas.
- Expansion joint and corner joint sealing of ceramic tiles.
- Sealing around sanitary fittings in domestic and municipal applications.
- General sealing in areas subject to high humidity levels.

## PRODUCT INFORMATION

Packaging	310 ml Cartridge
Colour	White, Limestone White, Translucent, Manhattan Grey, Anthracite & Jasmine
Shelf Life	24 months from date of manufacture
Storage Conditions	Store between +5 °C and +25 °C in dry conditions

## TECHNICAL INFORMATION

Shore A Hardness	ca. 23
Modulus of Elasticity in Compression	0.28 N/mm <sup>2</sup> (ISO 11432)
Tensile Modulus of Elasticity	ca. 0.3 N/mm <sup>2</sup> (ISO 8339)
Shrinkage	~ 5 % (ISO 10563)
Elastic Recovery	>95 % (ISO 7389)
Movement Capability	+/-20 % (ISO 9047)

## CHARACTERISTICS / ADVANTAGES

- Protection against mould, fungal and bacterial growth based on 10 years accelerated ageing under ISO22196 and AATCC 30 part 3.
- Waterproof seal.
- Flexible - Movement accommodation of +/- 20 %.
- High viscosity formula for quick easy tooling.

## APPROVALS / STANDARDS

Tested to ISO11600 F/G20LM and BS EN15651 F20LM CC, G20LM CC and XS1.

<b>Service Temperature</b>	-40 °C to +150 °C
<b>Flow resistance</b>	<3 mm (ISO 7390)
<b>Elongation at break</b>	>350 % (ISO 8339)
<b>Consumption</b>	~11 linear metres based on 6 mm bead.
<b>Curing Time</b>	2-4 mm/24 hours (+23 °C and 50 % RH)
<b>Skin Time</b>	20 min at +20 °C (dependent on temperature and humidity)

## 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

It is the user's responsibility to determine suitability of use. If in doubt, request technical data or contact Technical Services department before use.

- Do not use in food preparation areas – use 565 Clean Room Silicone.
- Do not use in conjunction with bitumen or asphalt – use Weather Mate®.
- Do not use in aquaria – use Aqua Mate® Sealant.
- Do not use against most metals.
- 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

- All surfaces to be sealed must be clean and dry and free from friable material.
- Fill deep gaps and voids with expanding foam, then trim back level with bath/shower tray before applying Sealant.
- When applying to plastic & acrylic baths, fill bath half full with water whilst sealing and during cure. This provides the mid-point of any movement that will be encountered.
- Always tool sealant down to ensure a proper bond is achieved.
- Tool within 15 minutes of applying.

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## 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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