

PRODUCT DATA SHEET

Sikasil®-107 HM

Sikasil®-107 HM SANITARY GRADE SILICONE

DESCRIPTION

Sikasil®-107 HM Silicone is a premium, acetoxy-curing, silicone sealant engineered to provide enhanced body and superior toolability in sanitary applications. It contains a powerful anti-fungal compound to prevent mould and fungal growth to the sealant in areas of high humidity. Specifically designed for use in bathrooms, kitchens and other sanitary areas. Typically used for sealing to non-porous substrates.

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.

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 to the sealant.

APPROVALS / CERTIFICATES

Conforms to ISO 11600 F 20 LM.
CE marked under EN 15651-1 F EXT-INT and EN 15651-3 S.

PRODUCT INFORMATION

Composition	Silicone
Packaging	310ml Cartridge
Colour	White
Shelf life	Use within 12 months.
Storage conditions	Store in cool dry conditions between +5°C and +25°C.
Density	1.01 g/cm ³
Tensile Strength	0.37 N/mm ² (ISO8339)
Secant Tensile Modulus	0.27MPa at 100% elongation (ISO8339)
Elongation	>180% (ISO8339)
Movement Capability	+/-20% (ISO9047)

Service Temperature	-40°C to +150°C				
Joint Design	<p>Joint dimensions - For maximum movement accommodation, it is recommended that:</p> <ol style="list-style-type: none"> 1. The sealant joint depth should be no less than 5mm 2. Joint depth should be 5mm for joints up to 10mm wide 3. Joints above 10mm in width should be half the width in depth up to 20mm and minimum 10mm for wider joints <p>Joint depth may be adjusted to the correct size using EVERBUILD® JOINT BACKER ROD or BOND BREAKING TAPE in cases where there is not enough depth to use Backer Rod.</p> <p>Joint widths are calculated as in BS6213: $Width = (M \times 100) / F + M$ Where M = movement and F = movement accommodation Factor.</p>				
Consumption	Joint Size (mm)	5x5	5x10	10x15	10x20
	Lin Mtrs per 310mm	12.4	6.2	2.0	1.56
Ambient Air Temperature	+5°C to +40°C				
Curing Rate	3-4mm per day				
Skinning time	30 min at 20°C				

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, metal and aluminium should be cleaned with a proprietary solvent cleaner prior to application for optimum adhesion. Porous surfaces may require priming - a small area should be tested first.

Priming

Sikasil®-107 HM does not require a primer on most common surfaces, although adhesion tests are recommended prior to full scale application.

If the joint is likely to be immersed or if adhesion is poor (especially on porous surfaces) use EVERBUILD® SILICONE PRIMER P1. To improve adhesion (if required) to non-porous surfaces, prime with EVERBUILD® SILICONE PRIMER NP2.

IMPORTANT CONSIDERATIONS

- Do not use in conjunction with Bitumen or Asphalt - use WeatherMate®.
- Do not use in food preparation areas - use 565 Clean Room Silicone
- Do not use in aquaria, use AquaMate® sealant.
- It is the user's responsibility to determine suitability for use.
- If in doubt contact Technical Services for advice.
- Do not use on most metals or natural stone.

BASIS OF PRODUCT DATA

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

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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