

Sikasil® NG

Specialist grade silicone sealant with superior mould resistance and unique adhesion to bathroom plastics

Technical Product Data

Uncured sealant	
Form	Smooth, non-slump paste
Density	1.05g/cm ³
Solids content	95% approximately
Application temperature	5°C to 50°C
Skinning time	20 minutes
Tack-free time	120 minutes
Cured sealant	
Form	Elastomeric rubber
Toxicity	Non toxic when cured
Typical Shore A hardness	25
100% modulus	0.35 - 0.40 MPa
Flammability	Non flammable
Paintability	Will not accept paints
Chemical resistance	Resistant to weak acids and alkalis, soaps and detergent. Not resistant to petrol and aggressive solvents.
Service temperature	-40°C to 150°C
Movement	Butt joints ±25% Lap joints ±50%
Movement accommodation factor	25
Colour	Arctic White, Translucent
Shelf Life	Eighteen (18) months while unopened and stored in cool, dry conditions
Coverage	On average one 300ml cartridge will supply 15 metres of 5mm sealant bead.

Description

Sikasil NG is a neutral cure, new generation, silicone sealant which provides a permanent watertight seal to various substrates including plastics, ceramics, and some powder coated surfaces.

Sikasil NG exceeds the 15 year minimum requirements of the durability provisions of the New Zealand Building Regulations 1992 Clause B2 providing:

- a) It is used in strict accordance with the manufacturer's recommendations'.

- b) It is used with the design parameters stated in this data sheet.
c) It is used in conjunction with other approved building systems and materials.

Durability covers weathering and adhesion characteristics. For conditions outside those stated in this data sheet, contact Sika's Technical Service Department.

Product Benefits

- Excellent adhesion to acrylic, ABS and polycarbonate plastics
- Recommended for use with Hardiglaze, Duracryl, Clearlite Showers, Athena Showers, and Seratone Silverseal
- Remains flexible at low (-40°C) and high (150°C) temperatures
- U.V. resistant
- Fast cure
- Low shrinkage during cure
- Available in a range of colours to co-ordinate with bathroom ware
- Contains mould inhibitors



Areas of Application

Sikasil NG has been specifically formulated for use as a joint sealant between plastic shower, bath and basin units and adjacent building components. Sikasil NG is also suitable for general purpose sealing to and between a wide range of plastics.

Method of Application

Joint Size

Sikasil NG may be applied in joints with a minimum joint size of 5mm wide x 5mm deep and a maximum joint size of 25mm wide x 10mm deep.

Preparation

Joint surfaces must be clean, dry and free from frost. Remove all dirt, laitance, loose material, mould release and curing agents, and foreign matter.

In all joints a bond breaker must be used to prevent sealant contact with the back of the joint, and hence allow optimum performance. In shallow joints self-adhesive polyethylene tape can be used. Deep joints should incorporate a backing strip such as Sika PEF Rod to support the sealant while also acting as a bond breaker. For a neat finish mask the areas adjacent to the joint.

Priming

On most surfaces sealant adhesion will be improved by the use of a primer. In applications where adhesion is critical (e.g. high movement joints) a primer is highly recommended.

For glass, ceramics and mill finished aluminium no priming is required. For powder coated aluminium, priming requirements will vary and an adhesion test will need to be carried out. For timber and other porous surfaces use Sika Primer 3N. Most plastics do not require a primer although an adhesion test is recommended prior to application.

Application

Cut the end off threaded stub on cartridge, screw on nozzle and cut nozzle to desired bead size at a 45° angle. Fit cartridge into a Sika skeleton gun. Extrude the sealant firmly into joint to ensure complete contact with joint faces. Smooth finish if necessary with a spatula wetted with a dilute detergent solution.

Cleaning

Clean tools immediately after use with Sika Remover-208.

Limitations

Fungicide is present in Sikasil NG. Use only Silaflex RTV clear for aquariums or where contact with food or food handling equipment is likely. Mould inhibitors will minimise but not totally prevent mould growth. Clean regularly with a suitable household cleaner or bleach to prevent mould growth. Do not use Sikasil NG on bituminous surfaces or in floor joints. Will not bond to polyethylene, polypropylene or similar plastics.

Further Information

Copies of the following publications are available on request:

- Safety Data Sheet

Packaging Information

Cartridge	300 ml
Cartridge	250 ml

Important

For information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Note

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 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 proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

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