

PRODUCT DATA SHEET

Sikasil® NG

SPECIALIST GRADE SILICONE SEALANT WITH SUPERIOR MOULD RESISTANCE AND UNIQUE ADHESION TO BATHROOM ACRYLIC PLASTICS

DESCRIPTION

Sikasil® NG is a neutral cure, silicone sealant which provides a permanent watertight seal to various substrates including acrylic 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:

- It is used in strict accordance with the manufacturer's recommendations'.
- It is used with the design parameters stated in this data sheet.
- 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.

USES

Sikasil® NG has been specifically formulated for use as a joint sealant between acrylic 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.

CHARACTERISTICS / ADVANTAGES

- Excellent adhesion to acrylic, ABS and polycarbonate plastics
- Recommended for use with Hardiglaze, Duracryl, Clearlite Showers, Athena Showers, Kohler and Seratone and many other panels
- Remains flexible at low (-40°C) and high (+150°C) temperatures
- U.V. resistant
- Fast cure
- Low shrinkage during cure
- Also suitable for glass, metals, coated/painted metals, and timber

PRODUCT INFORMATION

Packaging	300 ml cartridge, box of 12
Colour	Arctic White, Translucent
Shelf Life	Twelve (12) months when stored as stated.
Storage Conditions	Store in original unopened packaging in cool, dry conditions.
Density	~ 1.01 g/cm ³
Solid Content	~ 95%
Yield	On average one 300ml cartridge will supply 15 m of 5mm sealant bead.
Skin Time	20 minutes
Tack Free Time	120 minutes

APPLICATION INSTRUCTIONS

SUBSTRATE 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-3 N. Most plastics do not require a primer although an adhesion test is recommended prior to application.

APPLICATION METHOD / TOOLS

Application temperature: +5°C to +50°C. 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 OF TOOLS

Clean tools immediately after use with Sika® Remover-208.

LIMITATIONS

Use only Sikasil® RTV clear for aquariums or where contact with food or food handling equipment is likely. While Sikasil® NG is resistant to mould it cannot 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. Sikasil® NG will not accept paints.

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BASIS OF PRODUCT DATA

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.

ECOLOGY HEALTH AND SAFETY

For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Safety Data Sheet (SDS) containing physical, ecological, toxicological and other safety-related data.

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. It may be necessary to adapt the above disclaimer to specific local laws and regulations. Any changes to this disclaimer may only be implemented with permission of Sika® Corporate Legal in Baar.

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