

# BUILDING PRODUCT INFORMATION 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.

### FEATURES

- 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

<b>Product identifier</b>	Sikasil® NG
<b>Place of manufacture</b>	Aotearoa New Zealand
<b>Packaging</b>	300 ml cartridge, box of 12
<b>Shelf life</b>	Twelve (12) months when stored as stated.
<b>Storage conditions</b>	Store in original unopened packaging in cool, dry conditions.
<b>Colour</b>	Arctic White, Translucent
<b>Density</b>	~ 1.01 g/cm <sup>3</sup>
<b>Solid content by volume</b>	~ 95%

### TECHNICAL INFORMATION

<b>Shore A hardness</b>	20	(CQP 023-1)
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<b>Tensile strength</b>	~ 1.3 N/mm <sup>2</sup>	(Standard)
<b>Elongation</b>	100% modulus: ~ 0.3 N/mm <sup>2</sup>	(CQP 036-1)
<b>Movement capability</b>	Butt joints ±25%. Lap joints ±50%	
<b>Chemical resistance</b>	Resistant to weak acids and alkalis, soaps and detergent. Not resistant to petrol and aggressive solvents.	
<b>Joint design</b>	Min. joint size: 5mm x 5mm. Max. joint size: 25mm wide x 10mm deep.	

## APPLICATION INFORMATION

### APPLICATION

**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.

<b>Yield</b>	On average one 300ml cartridge will supply 15 m of 5mm sealant bead.
<b>Skinning time</b>	20 minutes
<b>Tack free time</b>	120 minutes

## MANUFACTURER AND IMPORTER INFORMATION

<b>Manufacturer information</b>	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	<a href="https://nzl.sika.com/">https://nzl.sika.com/</a>
	Email address	<a href="mailto:info@nz.sika.com">info@nz.sika.com</a>
	NZBN	9429000018791

## BUILDING CODE INFORMATION

<b>Building Code clauses</b>	B2 Durability: Performance clauses B2.3.1 - (b) not less than 15 Years, (c) not less than 5 years E2 External Moisture: Performance clause E2.3.2 E3 Internal Moisture: Performance Clauses E3.3.3, E3.3.4, E3.3.5, E3.3.6 F2 Hazardous Building Materials: Performance clause F2.3.1
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<b>Building Code compliance statements</b>	<p>Performance B2.3.1 (b) 15 years and (c) 5 years: This product achieves these durability requirements and will remain serviceable for 15 years, or more, when installed and maintained in accordance with the relevant Sika technical literature. <a href="https://nzl.sika.com">nzl.sika.com</a>. According to Sika's "Service Improvement" records, maintained within its ISO9001:2015 Quality Management System, this product has performed successfully since it was introduced in 2005.</p> <p>Performance E2.3.1, E2.3.2: In accordance with E2/AS1 and E2/AS3 (CCANZ CP 01:2014) this product has been tested and is compliant with the ISO11600:2002 Type F, Class 25LM classification (refer to <a href="https://nzl.sika.com">nzl.sika.com</a>). When used to seal flexible joints, as part of a roofing or wall cladding system, or around external openings, such as windows and doors, the product contributes to meeting the E2.3.1 and E2.3.2 weathertightness requirements.</p> <p>Performance E3.3.3, E3.3.4, E3.3.5, E3.3.6: This product has been tested and is compliant with the ISO11600:2002 Type F, Class 25LM classification. When used to form impervious and easy to clean joints between sheet lining materials and between fixtures and linings, as defined in E3/AS1, it contributes to meeting these impermeability requirements.</p>
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Performance F2.3.1: This product meets this requirement when used and applied in accordance with Sika's installation instructions and does not present a health hazard to people occupying or using the building. Refer to the Sika Product Technical Data sheet and product Safety Data Sheet [nzl.sika.com](http://nzl.sika.com) for further information if required

## BASIS OF PRODUCT DATA

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

## IMPORTANT CONSIDERATIONS

Use only Sikasil® RTV clear for aquariums. While Sikasil® NG is resistant to mould it cannot totally prevent mould growth. Clean regularly with a suitable household cleaner\* to prevent mould growth. \*Over exposure to some common household cleaning products can adversely affect Sikasil NG. This may include loss of elasticity, discoloration, or other detrimental effects. Cleaning products must always be thoroughly rinsed away from the sealant surface immediately to reduce the possibility of potential damage. Do not use Sikasil® NG on bituminous surfaces or in floor joints. It will not bond to polyethylene, polypropylene or similar plastics. Sikasil® NG will not accept paints.

## 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.

## APPLICATION INSTRUCTIONS

### DESIGN REQUIREMENTS

Sikaflex Elastomeric Sealants - Joint design and movement calculation guide [nzl.sika.com](http://nzl.sika.com)

Sika Sealant Selector Guide, Consumption Guide and Best Practice Tips [nzl.sika.com](http://nzl.sika.com)

### 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.

### CLEANING OF EQUIPMENT

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

### MAINTENANCE REQUIREMENTS

Joints that have been sealed with this product should be inspected annually (or sooner if required). Gently clean the surface of the joint with a mild solution of water and household detergent, using a soft brush to remove any residual contaminants and rinse clean with fresh water. Any defects within the joint should be identified and removed. The joint should then be cleaned, primed and repaired using the same Sika product to restore the original integrity of the joint. Refer to the Sika product data sheet and the website for further information. [nzl.sika.com](http://nzl.sika.com)

For full instructions on maintenance of sealed joints, refer to Sika Building façade Joint Cleaning, Care and Maintenance Instructions at [nzl.sika.com](http://nzl.sika.com)

### 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.

### 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.

The building product/building product line is not subject to warning or ban under section 26 of the Building Act 2004.

#### NZ BUILDING PRODUCT INFORMATION SHEET

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02051403000000108

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**NZ BUILDING PRODUCT INFORMATION SHEET**

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