

BUILDING PRODUCT INFORMATION SHEET

SikaSeal® Roof & Gutter

Neutral cure roof and gutter silicone sealant

DESCRIPTION

SikaSeal® Roof & Gutter is a one-component, neutral curing, low odour silicone sealant with excellent adhesion to most construction surfaces. SikaSeal® Roof & Gutter cures through the absorption of atmospheric moisture to give a tough but flexible waterproof seal.

USES

SikaSeal® Roof & Gutter provides weatherproof joints between various substrates such as glass, metals, painted surfaces, wood, ceramic tiles and concrete, etc.

- Roofing applications
- Metal Gutters
- Polycarbonate roof sheeting
- General construction and electrical applications
- Weather seals between aluminium and glass
- Perimeter seals between aluminium window frames, masonry and brick
- Around plumbing fixtures and penetrations
- As a sealant for formwork in the precast industry
- Maintenance and industrial applications

- General interior & exterior sealing around the home
- As a non-structural adhesive

FEATURES

- Neutral cure
- Very good UV and weathering resistance
- Low odour
- Non corrosive
- Non-sag
- Great tooling characteristics
- Interior and exterior usage
- Fast curing
- Minimum movement capability $\pm 25\%$
- High temperature resistance (-40°C to $+150^{\circ}\text{C}$)

**Not for use on all metal substrates i.e. copper.*

-See Limitations below prior to use.

APPROVALS / CERTIFICATES

AS/NZS 4020:2018 - Water Potable Approved

PRODUCT INFORMATION

Product identifier	SikaSeal® Roof & Gutter
Place of manufacture	Overseas
Composition	Neutral cure silicone
Packaging	300ml cartridge, 12 cartridges per carton
Shelf life	12 months from date of production if the storage conditions are met.
Storage conditions	The product must be stored in original, unopened and undamaged sealed packing in dry conditions at temperature between $+5^{\circ}\text{C}$ and $+25^{\circ}\text{C}$.
Colour	Translucent
Density	~ 1.02 kg/l

TECHNICAL INFORMATION

Shore A hardness	~26	(ISO 868)
Tensile strength	~ 1.2 N/mm ² (+23°C / 50% r.h.)	
Secant tensile modulus	0.45 N/mm ²	(ISO 8339)
Elongation at break	~250%	
Movement capability	±25%	
Service temperature	-40°C to +150°C	

Joint design

The joint width must be designed to suit the joint movement required and the movement capability of the sealant. The joint width shall be ≥ 6 mm and ≤ 45 mm. The joint depth shall be ≥ 6 mm and ≤ 15 mm. A width to depth ratio of 2:1 must be maintained (for exceptions, see table below). Typical joint dimensions.

Joint Width (mm)	Joint Depth (mm)	Joint Length /600 ml ssg
6	4	25 mm
9	5	13 mm
12	6	8 mm

All joints must be correctly designed and dimensioned in accordance with the relevant standards, before their construction. The basis for calculation of the necessary joint widths are the type of structure and its dimensions, the technical values of the adjacent building materials and the joint sealing material, as well as the specific exposure of the building and the joints. For larger joints please contact Sika technical service.

APPLICATION INFORMATION

Sag flow	Non-sag
Ambient air temperature	+5°C min. / +40°C max.
Substrate temperature	+5°C min. / +40°C max. min. 3°C above dew point temperature
Curing rate	~3-4 mm per 24 hours (+23°C / 50% r.h.)

MANUFACTURER AND IMPORTER INFORMATION

Manufacturer information	Address	Sika Australia Pty Ltd 55 Elizabeth St Wetherill Park, Sydney NSW, Australia
Importer information	Address	Sika (NZ) Limited 85-91 Patiki Road Avondale, Auckland 1026 New Zealand
	Phone number	0800 745 269
	Website	https://nzl.sika.com/
	Email address	info@nz.sika.com
	NZBN	9429000018791

BUILDING CODE INFORMATION

Building Code clauses	B2 Durability: Performance clauses B2.3.1 - (b) not less than 15 Years, (c) not less than 5 years E2 External Moisture: Performance clause E2.3.1 and E2.3.2 E3 Internal Moisture: Performance Clauses E3.3.3, E3.3.4, E3.3.5, E3.3.6
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Building Code compliance statements

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. nzl.sika.com. 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 2010.

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 nzl.sika.com). 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.

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.

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 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.

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.

DESIGN REQUIREMENTS

Sikaflex Elastomeric Sealants - Joint design and movement calculation guide nzl.sika.com

Sika Sealant Selector Guide, Consumption Guide and Best Practice Tips nzl.sika.com

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

For full instructions on maintenance of sealed joints, refer to Sika Building façade Joint Cleaning, Care and Maintenance Instructions at 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.

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NZ BUILDING PRODUCT INFORMATION SHEET

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