

BUILDING PRODUCT INFORMATION SHEET

Sikasil[®] C (NZ)

One part low modulus neutral cure silicone refrigeration sealant

DESCRIPTION

Sikasil[®] C (NZ) is a one part, low modulus, neutral cure silicone rubber joint sealant that bonds tenaciously to form a permanent watertight seal in building construction.

USES

Sikasil[®] C (NZ) has been formulated for use as a joint sealant in coolstores and other refrigeration and hygiene areas. It is also suitable for glazing, roofing, timber and masonry surfaces.

PRODUCT INFORMATION

Product identifier	Sikasil [®] C (NZ)
Place of manufacture	Aotearoa New Zealand
Packaging	375ml cartridges, box of 12
Shelf life	Eighteen (18) months from date of production when stored as stated.
Storage conditions	Store in cool, dry conditions in original, unopened containers.
Colour	White, Titania

TECHNICAL INFORMATION

Shore A hardness	22
Movement capability	± 25%
Service temperature	-40°C to +150°C
Diffusion resistance to water vapour	Moisture Vapour Transmission: 50 MNs/g for 8mm thick layer
Resistance to UV exposure	Excellent
Joint design	Sikasil [®] C (NZ) 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.

APPLICATION INFORMATION

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.

Ambient air temperature Application Temperature: +5°C to +40°C

Curing time 7 days at +25°C (10 mm bead)

MANUFACTURER AND IMPORTER INFORMATION

Manufacturer 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 E2.3.2
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

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 1998.

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.

IMPORTANT CONSIDERATIONS

- Do not use on bitumen, polyethylene or polypropylene, with polyurethane sealants, in permanent immersion, or in floor joints.
- Do not paint.
- For vapour seals in coolstores / freezers, use in conjunction with Sikamastic SNB.
- Do not use in applications where joints are likely to come into contact with food.

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

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

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SUBSTRATE PREPARATION

- Joint surfaces must be clean, dry and free from all dust, laitance, scale, rust, loose particles, grease and foreign matter.
- Oily surfaces should be degreased with Sika Thinner C.
- 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: For most common building materials, primers are not required. For advice on adhesion to unusual surfaces, contact Sika's Technical Department. For copper, lead or brass, and some plastics, priming is required.

CLEANING OF EQUIPMENT

Clean tools immediately after use with Sika Thinner C.

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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NZBPIS-190013-7502-7502-en-GB-1.0