

PRODUCT DATA 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.

CHARACTERISTICS / ADVANTAGES

- Highly flexible.
- Meets "Industry Standard 2, Design and Construction, for use in food process areas".
- Good resistance to fungus attack and mould growth.

PRODUCT INFORMATION

Packaging	375ml cartridges, box of 12
Colour	White, Titania
Shelf Life	Eighteen (18) months from date of production when stored as stated.
Storage Conditions	Store in cool, dry conditions in original, unopened containers.

TECHNICAL INFORMATION

Shore A Hardness	22
Movement Capability	± 25%
Resistance to UV Exposure	Excellent
Diffusion Resistance to Water Vapour	Moisture Vapour Transmission: 50 MNs/g for 8mm thick layer
Service Temperature	-40°C to +150°C
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

Ambient Air Temperature	Application Temperature: +5°C to +40°C
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APPLICATION INSTRUCTIONS

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.

APPLICATION METHOD / TOOLS

- 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.

CLEANING OF TOOLS

Clean tools immediately after use with Sika Thinner C.

LIMITATIONS

- 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.

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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