

Sikasil[®] C (NZ)

One part low modulus neutral cure silicone refrigeration sealant

Positioning

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.

Use

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.

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 Data

Colour:

White, Titania

Packaging:

Sikasil C (NZ) is supplied in 375ml cartridges.

Storage/Shelf Life:

Eighteen (18) months from date of production when stored in cool, dry conditions in original unopened containers.

Technical Data

Application temperature: +5°C to +40°C

Service temperature: -40°C to +150°C

Cure System: Alcoxy

Shore 'A' Hardness: 13 - 19

Cure time:

- 7 days at 25°C (10 mm bead)
- 14 days at -20°C (10 mm bead)

UV resistance:

Excellent

Moisture Vapour

Transmission:

50 MNs/g for 8mm thick layer

Joint Movement

Capability:

± 25%

Application Conditions

Instructions for use

Joint size

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.

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 Service Department.
- For copper, lead or brass, and some plastics, priming is required.

Construction



Application	<ul style="list-style-type: none"> • 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	Clean tools immediately after use with Sika Thinner C.
Important Notes	
Limitations	<ul style="list-style-type: none"> • 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.
Notes	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.
Health & Safety Instructions	
Protective Measures	<ul style="list-style-type: none"> • To avoid rare allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work. • Local regulations as well as health and safety advice on packaging labels must be observed. • For further information refer to the Sika Safety Data Sheet which is available on request. • If in doubt always follow the directions given on the pack or label.
Important Notes	<ul style="list-style-type: none"> • Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. • Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet.
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.



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