

PRODUCT DATA SHEET

Sikasil® N

One part low modulus neutral cure silicone roof and spouting sealant

DESCRIPTION

Sikasil® N is a neutral cure silicone rubber sealant suitable for all roofing and sheet metal work.

USES

Sikasil® N has been formulated for use as a joint sealant in metal roofing, gutters, cladding and outer flue casings, metal to metal joints in painted or unpainted galvanised steel, or with concrete and timber. Sikasil® N is suitable for use with Colorsteel and Colorbond roofing.

CHARACTERISTICS / ADVANTAGES

- Neutral cure
- Excellent durability
- Colorsteel approved
- Flexible

APPROVALS / STANDARDS

- ISO 11600:2002 Class F-25LM. Certified
ISO 11600:2002 Class G-25LM. Compliant
NZ Building Code Compliant
- B2 Durability: Clauses B2.3.1 (b) 15 years. (c) 5 years
 - E2 External Moisture: Clause E2.3.2
 - E3 Internal Moisture: Clauses E3.3.3, E3.3.4, E3.3.5, E3.3.6
 - F2 Hazardous Building Materials: Clause F2.3.1

PRODUCT INFORMATION

Chemical Base	Neutral cure alcoxy silicone
Packaging	300 ml cartridges, 12 per box.
Colour	Translucent
Shelf Life	Eighteen (18) months from date of production when stored as stated.
Storage Conditions	Store in cool, dry conditions in original, unopened containers.
Density	~ 1.02 g/cm ³

TECHNICAL INFORMATION

Shore A Hardness	~ 22	(ISO 8339)
Tensile Strength	~ 0.7 MPa	(ISO 8339)
Modulus of Elasticity in Tension	100% Modulus: 0.35 N/mm ²	(DIN 51757)
Movement Capability	25%	
Chemical Resistance	▪ Resistant to weak acids and alkalis, soaps and detergent	

- Not resistant to petrol and aggressive solvents

Resistance to UV Exposure	Excellent
Joint Design	Sikasil® N may be applied in joints with a minimum joint size of 5mm wide x 8mm deep and a maximum joint size of 20mm wide and 10mm deep.

APPLICATION INFORMATION

Ambient Air Temperature	Application temperature: +5°C to +40°C
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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.

LIMITATIONS

- Do not use on bitumen, with polyurethane sealants, in permanent immersion, or in floor joints.
- Do not paint.

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

SUBSTRATE PREPARATION

- Joint surfaces must be clean, dry and free from frost.
- Remove all dirt, laitance, loose materials, 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 rod 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 all surfaces good sealant adhesion requires the use of a primer.
- For concrete, mortar, block, brick, timber and other porous surfaces use Sika® Primer-3 N.
- For glass, PVC, metals and other non-porous surfaces clean using Sika® Aktivator-205.

- For plastics and other non-porous surfaces that are difficult to bond to gently rub down substrate in single pass with abrasive pad and clean with Sika® Aktivator-205.
- Allow primers to dry for a minimum of 30 minutes and a maximum of 8 hours before applying sealant.

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 wetted with a dilute detergent solution.

CLEANING OF TOOLS

Clean tools immediately after use with Sika Thinner C

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.

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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