

BUILDING PRODUCT INFORMATION SHEET

Sikasil® Color (NZ)

Universal tile silicone

DESCRIPTION

Sikasil® Color (NZ) is an acetic-crosslinking silicone sealant that is solvent-free and resistant to mildew.

USES

Sikasil® Color (NZ) reacts on contact with the humidity in the air, and cures into a permanently elastic, rubbery substance. Sikasil® Color (NZ) can be used as a sealant for glass, ceramics, anodized aluminium and epoxy or polyester panels. It is suitable for application in health/hygiene areas for forming expansion joints between tiles, tubs, sinks, for sealing showers and forming expansion joints between walls and floors.

FEATURES

- Excellent flexibility
- Excellent resistance to aging and weathering
- Available in a range of colours to coordinate with décor
- UV resistant
- Inhibits the formation of mould and mildew
- Impermeable to water and vapour
- Excellent workability
- Ideal for use with the SikaCeram® range of tiling grouts and adhesives

PRODUCT INFORMATION

Product identifier	Sikasil® Color (NZ)
Place of manufacture	Aotearoa New Zealand
Packaging	300 ml cartridges, 12 cartridges per box
Shelf life	18 months from date of production when stored as stated.
Storage conditions	Store in unopened original sealed packaging when stored at temperatures between +5°C and +35°C.
Colour	White, Manhattan, Ash, Anthracite, Beige, Sand, Ice, Black, Jasmin, Dark Brown, Light Grey.
Density	~ 1.02 kg/l

TECHNICAL INFORMATION

Shore A hardness	20	(ISO 868)
Tensile strength	~ 0.6 N/mm ²	(ISO 8339)
Modulus of elasticity in tension	~ 0.35 N/mm ² at 100% elongation	(ISO 8339)
Tensile strain at break	250%	(ISO 8339)
Movement capability	25% (+/- 12.5% of joint width)	(ISO 11600)
Chemical resistance	Resistant to many chemicals, however it is recommended that preliminary tests are conducted prior to application.	

APPLICATION INFORMATION

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

Masterspec specification document 48115 Sika Sealants (refer to Masterspec website. Subscription required)

APPLICATION

- If sealing an expansion or control joint, insert Sika® PEF Backing Rod into the base of the joint before installing Sikasil® Color (NZ). Note: PEF rod must be approximately 25-30% larger than the joint width, e.g. for a 6mm joint, use an 8mm PEF rod.
- Cut nozzle at a 45° angle to give the required size bead for the joint. (The width of the joint must never be less than its depth.)
- Tool off the joint sealant using a spatula dipped in diluted soapy water.
- Remove masking tape immediately, before sealant starts to skin.

Consumption

Approximate metres of joint filled with a 300ml cartridge of Sikasil® Color (NZ):

Joint	4 mm wide	5 mm wide	6 mm wide	8 mm wide
3 mm deep	25	20	16.7	12.5
5 mm deep	-	12	10	7.5
6 mm deep	-	-	8.3	6.3
7 mm deep	-	-	7.1	5.4
Joint	10 mm wide	12 mm wide	20 mm wide	
10 mm deep	3	2.5	1.5	
12 mm deep	-	2.1	1.3	
16 mm deep	-	-	0.9	

Ambient air temperature

Application temperature: minimum +5°C, maximum +40°C.

Curing time

24 hours at 2mm thick, 7 days at 8mm thick (dependant on temperature, porosity of the substrates, humidity and ventilation).

Skimming time

~ 20 minutes (dependant on temperature, porosity of the substrates, humidity and ventilation).

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

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

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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 2012.

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

- Sikasil® Color (NZ) cannot be overcoated.
- Not suitable on tar, bitumen, polypropylene, polyethylene, concrete, lead, copper or galvanized steel.
- Do not use on porous surfaces, or for sealing marble or other natural stones.
- Not suitable for use in aquariums or swimming pools.

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

All surfaces must be clean, dry and grease free. Ensure the joint is free from excess tile adhesive. For a neat finish, apply masking tape to both sides of the joint.

CLEANING OF EQUIPMENT

Clean tools and equipment immediately after use with Sika® Thinner C. Cured product can only be removed mechanically. Wash hands and skin thoroughly in warm soapy water.

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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