

# PRODUCT DATA 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.

### CHARACTERISTICS / ADVANTAGES

- 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

|                           |  |
|---------------------------|--|
| <b>Packaging</b>          | 300 ml cartridges, 12 cartridges per box   |
| <b>Shelf Life</b>         | 18 months from date of production when stored as stated.   |
| <b>Storage Conditions</b> | Store in unopened original sealed packaging when stored at temperatures between +5°C and +35°C.                          |
| <b>Colour</b>             | White, Manhattan, Ash, Anthracite, Beige, Ice, Black, Jasmin, Dark Brown, Light Grey, Light Sand, Graphite, Grey, Cedar. |
| <b>Density</b>            | ~ 1.02 kg/l  |

### TECHNICAL INFORMATION

|   |   |             |
|---|---|-------------|
| <b>Shore A Hardness</b>                 | 20  | (ISO 868)   |
| <b>Tensile Strength</b>                 | ~ 0.6 N/mm <sup>2</sup>   | (ISO 8339)  |
| <b>Modulus of Elasticity in Tension</b> | ~ 0.35 N/mm <sup>2</sup> at 100% elongation                             | (ISO 8339)  |
| <b>Elongation at Break</b>              | 250%  | (ISO 8339)  |
| <b>Movement Capability</b>              | 25% (+/- 12.5% of joint width)  | (ISO 11600) |
| <b>Chemical Resistance</b>              | Resistant to many chemicals, however it is recommended that preliminary |             |

tests are conducted prior to application.

## APPLICATION INFORMATION

|                                |  |                   |                   |                   |                  |
|--------------------------------|--|-------------------|-------------------|-------------------|------------------|
| <b>Consumption</b>             | Approximate metres of joint filled with a 300ml cartridge of Sikasil® Color (NZ):  |                   |                   |                   |                  |
|                                | <b>Joint</b>   | <b>4 mm wide</b>  | <b>5 mm wide</b>  | <b>6 mm wide</b>  | <b>8 mm wide</b> |
|                                | <b>3 mm deep</b>   | 25                | 20                | 16.7              | 12.5             |
|                                | <b>5 mm deep</b>   | -                 | 12                | 10                | 7.5              |
|                                | <b>6 mm deep</b>   | -                 | -                 | 8.3               | 6.3              |
|                                | <b>7 mm deep</b>   | -                 | -                 | 7.1               | 5.4              |
|                                | <b>Joint</b>   | <b>10 mm wide</b> | <b>12 mm wide</b> | <b>20 mm wide</b> |                  |
|                                | <b>10 mm deep</b>  | 3                 | 2.5               | 1.5               |                  |
|                                | <b>12 mm deep</b>  | -                 | 2.1               | 1.3               |                  |
|                                | <b>16 mm deep</b>  | -                 | -                 | 0.9               |                  |
| <b>Ambient Air Temperature</b> | Application temperature: minimum +5°C, maximum +40°C.  |                   |                   |                   |                  |
| <b>Curing Time</b>             | 24 hours at 2mm thick, 7 days at 8mm thick (dependant on temperature, porosity of the substrates, humidity and ventilation). |                   |                   |                   |                  |
| <b>Skin Time</b>               | ~ 20 minutes (dependant on temperature, porosity of the substrates, humidity and ventilation).                               |                   |                   |                   |                  |

## 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

- 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.

### APPLICATION METHOD / TOOLS

- 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.

### CLEANING OF TOOLS

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

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 re-

serves 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.

**Sika (NZ) Limited**  
85-91 Patiki Road  
Avondale, Auckland 1026  
New Zealand  
0800 745 269  
www.sika.co.nz



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