

# Sikasil<sup>®</sup>-C

## Multipurpose Neutral Silicone Sealant

Construction

<b>Description</b>	Sikasil-C is a single component, ready for use, neutral silicone sealant that is moisture cured.
<b>Uses</b>	<p>Sikasil-C is suitable for use in general purpose glazing and sealing applications where long term reliability is required.</p> <p>Sikasil-C has excellent adhesion to non-porous materials such as glass, ceramics, aluminium, galvanised steel and plastics. It can be used for:</p> <ul style="list-style-type: none"> <li>▪ Standard and butt glazing of frames, panels and shop fronts.</li> <li>▪ Sealing environmental and refrigerated rooms, sheet metal, skylights, ventilators and air conditioning units.</li> <li>▪ Assembly of metal and plastic signs.</li> <li>▪ Weatherproofing (gutters, roofs, brickwork).</li> <li>▪ Sanitary silicone for kitchens and bathrooms.</li> </ul>
<b>Advantages</b>	<ul style="list-style-type: none"> <li>▪ One component ready to use.</li> <li>▪ Non-sag.</li> <li>▪ Fast curing.</li> <li>▪ Excellent adhesion to many substrates.</li> <li>▪ Resistant to rain, snow, extreme temperature changes and ultraviolet exposure.</li> <li>▪ Performs well in a broad temperature range.</li> <li>▪ Long term resistance to fungal activity.</li> <li>▪ Suitable for internal and external use.</li> </ul>
<b>Storage and Shelf Life</b>	Stored in the original sealed packaging at temperatures of between 5°C and 35°C, this product will keep for at least 12 months.
<b>Instructions for Use</b>	
<b>Surface Preparation</b>	<p>All surfaces must be clean, sound, dry and free of oil, greases and surface contaminants. Thoroughly remove all loose particles and dust.</p> <p>Metallic surfaces must be free of rust scale or oxide films and should be degreased using Sika Colma Cleaner, Acetone, or M.E.K.</p> <p>When used in remedial work, all existing sealant must be removed.</p>
<b>Priming</b>	No priming is required for glass, epoxies, polyester and polyurethane coatings, most anodised aluminium, ceramics, and glass coated steel.
<b>Application</b>	<p>Sikasil-C is easily installed direct from the cartridge with normal caulking equipment.</p> <p>For neat joint edges use masking tape. This should be removed immediately after tooling before skin forms.</p> <p><i>Standard Glazing:</i> a thin bead of sealant will tolerate more movement than a thick bead. Joint width and depth should not be less than 4mm and maximum joint width should not exceed 25mm. Depth should be half the width with a maximum of 10mm.</p> <p><i>Butt Glazing:</i> the sealant bead may be as deep as the glass thickness and the maximum 10mm depth joint recommendation does not apply.</p>

<b>Cleaning</b>	Clean all tools and equipment immediately after use with Sika Colma Cleaner. Sikaflex Hand Cleaner will remove fresh and partly cured material from the skin.
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### Technical Data (Typical)

<b>Colour</b>	White, Black, Grey, Transparent, Mid Grey
<b>Density</b>	1.01 kg/litre approx.
<b>Shore A Hardness</b>	18
<b>Maximum Permissible Joint Movement</b>	±25% of the average joint width
<b>Full Cure Rate</b>	5 to 7 days (10mm depth @ 25°C and 50% R.H)
<b>Tack Free Time</b>	15 minutes (@ 25°C and 50% R.H)
<b>Tensile Strength</b>	0.5 MPa approx.
<b>Tear strength</b>	4 N/mm
<b>Elastic recovery</b>	>90%
<b>Service Temperature</b>	-60°C to +160°C
<b>Application Temperature</b>	-10°C to 40°C (application at temperatures below 0°C is permissible provided surfaces are dry and frost free)
<b>Packaging</b>	310ml cartridge (15 cartridges per box)

<b>Important Notes</b>	<ul style="list-style-type: none"> <li>▪ Sikasil-C is not recommended for use on submerged joints where porous substrates permit water to the bond interface.</li> <li>▪ Do not use for structural glazing.</li> <li>▪ Should not be used on rubber coatings where bleeding of plasticisers may occur.</li> <li>▪ Do not overpaint Sikasil-C.</li> <li>▪ Do not use in aquarium construction or similar structures as fungicide leaching may occur.</li> <li>▪ Bleeding can occur on porous substrates. Specific testing should be carried out on sensitive substrates.</li> </ul>
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<b>Handling Precautions</b>	<ul style="list-style-type: none"> <li>▪ Avoid contact with skin and eyes.</li> <li>▪ Wear protective gloves and eye protection during work.</li> <li>▪ If skin contact occurs, wash skin thoroughly.</li> <li>▪ If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.</li> <li>▪ A full Material Safety Data Sheet is available from Sika on request.</li> </ul>
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<b>Important Notification</b>	<p>The information, and, in particular, the recommendations relating to the application and end-use of Sika's 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 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 proprietary rights of third parties must be observed. All orders are accepted subject of our terms and conditions of sale. Users should always refer to the most recent issue of the Australian version of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.</p>
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PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

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