Silicone-N
Neutral Methoxy Cure
Silicone Adhesive / Sealant

Description
SA Silicone-N is a premium architectural grade, neutral fast cure, low modulus silicone sealant which cures with atmospheric moisture to form a highly elastic rubber seal providing excellent performance in glazing and construction applications. Silicone-N is unaffected by high or low temperatures and has outstanding weathering and UV resistance.

Key performance Properties
- Fast Cure
- Non Slump
- One Part Ready To Use
- Outstanding Weatherability
- Excellent Adhesion
- Excellent UV Resistance
- 5 Star VOC Compliant

Applications
SA Silicone-N has excellent adhesion to most common building materials such as glass or glazed surfaces, aluminium and other metals, masonry, treated wood, concrete, uPVC and many other plastics as well as powder coated frames. Used in curtain wall jointing and cement cladding systems, cap beading, standard glazing, butt glazing, glass balustrades, mirror fixing, splashbacks and in factory assembling and sealing applications.

Specifications
Typical data values should not be used as specifications. Please contact Sealants Australasia for further information. A thin bead of sealant will tolerate more movement than a thick bead. Joint width and depth should be no less than 4 mm. Maximum joint widths should not exceed 25mm. Joint depths should be half the width, with a maximum depth of 10mm. Polyethylene closed cell foam rod is the recommend backing material to provide the correct depth of joint. If the joint is too shallow, use a polyethylene tape bond breaker. Do not allow the silicone sealant to contact the back of the joint or any staining materials.

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
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<tbody>
<tr>
<td>Cure Method</td>
<td>Methoxy</td>
</tr>
<tr>
<td>Colours</td>
<td>Translucent, Aluminium, Black, White</td>
</tr>
<tr>
<td>Sag (mm)</td>
<td>&lt;2</td>
</tr>
<tr>
<td>Tooling Time (Mins)</td>
<td>7</td>
</tr>
<tr>
<td>Tack Free Time (Mins)</td>
<td>30</td>
</tr>
<tr>
<td>Hardness (Shore A)</td>
<td>22</td>
</tr>
<tr>
<td>Tensile Strength (MPa)</td>
<td>1.8</td>
</tr>
<tr>
<td>Tensile modulus @ 100% elongation (MPa)</td>
<td>0.4</td>
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<tr>
<td>Elongation at Break (%)</td>
<td>600</td>
</tr>
<tr>
<td>Tensile Adhesion Modulus @100% elongation (MPa)</td>
<td>0.30</td>
</tr>
<tr>
<td>Tensile adhesion strength at break (MPa)</td>
<td>0.8</td>
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<tr>
<td>Tensile elongation at break (%)</td>
<td>400</td>
</tr>
<tr>
<td>Peel adhesion strength (kN/m)</td>
<td>9</td>
</tr>
<tr>
<td>Elastic Recovery (%)</td>
<td>&gt;90</td>
</tr>
<tr>
<td>Temperature resistance (°C)</td>
<td>-40/+150</td>
</tr>
</tbody>
</table>
Application
Cut nozzle at 45 Degree angle to desired bead width, and apply to substrate with sealant gun and tool within 7 minutes. Uncured sealant can be cleaned up with mineral turpentine. Some surfaces may need a primer. If so, allow primer to dry before applying sealant. Use approved backing material for joints over 10mm deep. For a neat appearance to the joint, use masking tape. Always remove masking tape before sealant has skinned over.

Surface preparation
Surfaces must be clean, dry and free of dirt, grease, oil, rust and water. Use white spirits or mechanical cleaning with a lint free cloth. Do not use soap or detergent. For plastics, contact Sealants Australasia for a recommended cleaning solvent. When used on remedial work all existing sealant must be removed prior to application of new material.

Packaging
300gm Cartridges - Available in cartons of 20.
Product Packed in Australia.

Storage/Shelf life
The shelf life of SA Silicone-N Silicone Sealant is 12 months if stored in a cool dry place. The storage temperature should not exceed 25°C as this will decrease shelf life.

Health and safety
Avoid contact with skin, eyes and mouth. If in eyes, immediately flush with water for 15 minutes. If irritation persists seek medical attention. Remove contact lenses before using sealant. Do not handle lenses until all sealant has been removed from fingertips and nails. Residual sealant may remain on fingers for several days and transfer to lenses and cause eye irritation. Avoid contact with skin and clothing. MSDS available on request. KEEP OUT OF REACH OF CHILDREN.

Limitations
SA Silicone-N is not recommended for use on submerged joints where porous substrates permit water to the bond interface. Not for certain rubber products where bleeding of plasticiser may occur. Cannot be painted, as paint will not adhere to sealant. Suitability for use on other types of plastic including extruded gutter profiles should be tested prior to application.

Sealant Volume Calculator
Number of 300gm Cartridges = Joint Width (mm) x Joint depth (mm) x Joint length (m) x 1.15* ÷ 292
* Please note: 1.15 Allows for 15% wastage. Joints are assumed rectangular

Available From:

Silicone-N
Neutral Methoxy Cure Silicone Adhesive / Sealant

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PLEASE NOTE: Information contained and recommendations made herein apply to SA products alone. Such are based on research and data from other reliable sources and are believed at the time of print to be accurate. It is the purchaser’s responsibility before using any product, to verify this data under their own operating conditions to determine if such product is suitable for their purposes.

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