

# Technical Data Sheet

## SupaTRADE

## SANITARY

## Anti-Fungal

### PRODUCT DESCRIPTION

SupaTrade Sanitary is a neutral curing silicone adhesive sealant designed to resist mildew and mould growth in high humidity and temperature conditions. It contains fungicides to inhibit mildew and mould, making it ideal for bathrooms, kitchens, and laundries. Ideal for a wide range of applications including – sealing baths, sinks, toilets, showers, tiles, plumbing fixtures, glass, tiles.

### APPLICATIONS

SupaTrade Sanitary is ideal for most silicone applications:

- Bathrooms, Kitchens and Laundries
- Ceramic tiles
- Fibreglass
- Stainless steel
- Painted & enamel surfaces

### FEATURES

- **Neutral cure**
- **Mould resistant**
- **Joint Movement  $\pm 12.5\%$**
- **Easy to apply**
- **Will not corrode metals**

### SURFACE PREPARATION

All surfaces must be clean, dry, sound and free from wax, dust, oil, rust, grease or any other contamination prior to application of sealant. For best results clean non-porous surfaces prior with IPA or Prosil Cleaner 1. When used on remedial work all existing sealant must be removed.

### APPLICATION INSTRUCTIONS

Cut nozzle at 45-degree angle to desired bead width and apply to substrate with sealant gun. Tooling time is approx. 10 minutes. Use approved backing material for joints as per the table on page 2. Clean up uncured silicone with mineral turpentine, if cured remove mechanically.

### TYPICAL PROPERTIES

| PROPERTY                                   | TYPICAL RESULT         |
|--------------------------------------------|------------------------|
| <b>Technology</b>                          | Neutral oxime silicone |
| <b>Curing Method</b>                       | Moisture Curing        |
| <b>SAG/Slump @23°C:</b>                    | No Slump               |
| <b>Shore A Hardness</b><br>ASTM D2240      | 25 +/- 3               |
| <b>Skin Time</b><br>25°C / 50% RH          | Approx 7 mins          |
| <b>Joint Movement</b>                      | $\pm 12.5\%$           |
| <b>Tensile Strength (MPa)</b>              | 1.0                    |
| <b>Elongation @ Break</b>                  | 400%                   |
| <b>Curing after 24hrs</b><br>25°C / 50% RH | 2-3mm                  |
| <b>Application Temperature</b>             | +5 to +40              |
| <b>Operating Temp Range</b>                | -60 to 170°C           |
| <b>Density (g/cm<sup>3</sup>)</b>          | 1.00 $\pm$ 0.02        |
|                                            |                        |

Values given in this list should not be used as specifications. All Data based on samples cured for 21 days @23°C and 55% R.H.

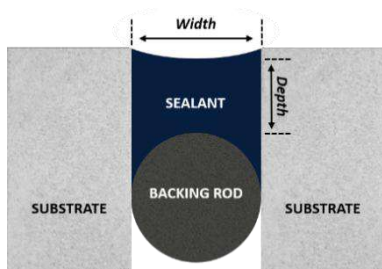
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## JOINT DESIGN

Always install suitable diameter backing rod (polyethylene or polyurethane foam rod) in joints to control sealant depth and ensure free movement of sealant in joints as per below.

|                                                        |      |      |      |      |      |      |      |
|--------------------------------------------------------|------|------|------|------|------|------|------|
| Rule: Joint widths < 12mm, width to depth ratio is 1:1 |      |      |      |      |      |      |      |
| Width                                                  | 5mm  | 6mm  | 7mm  | 8mm  | 9mm  | 10mm | 11mm |
| Depth                                                  | 5mm  | 6mm  | 7mm  | 8mm  | 9mm  | 10mm | 11mm |
| Rule: Joint widths ≥ 12mm, width to depth ratio is 2:1 |      |      |      |      |      |      |      |
| Width                                                  | 12mm | 14mm | 16mm | 18mm | 20mm | 24mm | 28mm |
| Depth                                                  | 6mm  | 7mm  | 8mm  | 9mm  | 10mm | 12mm | 14mm |

Wider joints can accommodate more total movement than narrow joints. Sealant must adhere to sides of the joints only and NOT to the back, so that it is free to stretch. Extrude sealant into the joint such that it is in full contact with the sides of the joint. Avoid overlapping of sealant to eliminate entrapment of air. Smooth sealant with spatula forcing the sealant into the joint for better contact with the sides.



## LIMITATIONS

- Not suitable for structural glazing
- Not suitable for submerged joints where porous substrates permit water to the bind interface
- Not suitable for aquarium construction
- Should not be applied in contact with bituminous materials or some rubber products as these may contain components which can migrate into the sealant and result in staining or reduced performance.
- Complete painting before applying sealant, as sealant cannot be successfully painted over.
- Porous natural stone

| Packaging | Size  | Colour                   |
|-----------|-------|--------------------------|
| Cartridge | 300ml | Translucent, White, Grey |

## SHELF LIFE & STORAGE

12 months shelf when stored in a dry environment and between +5°C and +25°C.

## WARNINGS, FIRST AID AND SHIPPING INFORMATION

Refer to Safety Data Sheet (SDS) before use for detailed information which can be found on our website – [www.silicone.com.au](http://www.silicone.com.au)

## CURING

Cure speed is dependent upon the temperature, humidity, depth of sealant and substrate. Typically, a joint will form a firm skin in one hour and take up to seven days to fully cure. In cold or very humid climates, the cure time may extend beyond seven days.

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