

# Technical Data

## SILICONE S50

Mid Modulus Acetoxy Cure Sealant



### Description

SILICONE S50 is a mid modulus, acetoxy curing silicone sealant that contains a powerful anti fungal compound to prevent mould and fungal growth in areas of high humidity.

### Benefits

- High viscosity formula for quick easy tooling .
- Flexible - movement accommodation of +/- 20%.
- Waterproof seal
- Contains a powerful anti fungal compound to prevent mould growth.

### Recommended For

Sealing around all types of baths. Sealing around shower trays. Expansion joint and corner sealing of ceramic tiles. Sealing around sanitary fittings in domestic and municipal applications. General sealing in areas subject to high humidity levels. As an adhesive for cosmetic bath & shower trim.

### Specification Compliances

The mid modulus nature of the formulation gives improved adhesion and flexibility when compared to standard high modulus sanitary grades.

Conforms to ISO 11600 F/G20LM.

CE Marked under EN15651 for façade, glazing and sanitary application. Also certified for use in cold climates.



### Available in

310ml Cartridges in the following colours:

Sanitary White  
Translucent  
Jasmine  
Manhattan Grey

### Storage

Store in cool dry conditions between + 5°C and 25°C.

### Shelf Life

Use within 24 months.

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### Health & Safety

See MSDS for full assessment.

### Joint Dimensions

For maximum movement accommodation, it is recommended that:

1. The sealant joint depth should be no less than 5mm
2. Joint depth should be 5mm for joints up to 10mm wide
3. Joints above 10mm in width should be half the width in depth up to 20mm and minimum 10mm for wider joints

### Surface Preparation

All surfaces must be clean, dry and dust free. All loose or flaking surface coatings, and old sealant and mastic joints, should be removed before application. Glass, metal and aluminium should be cleaned with a proprietary solvent cleaner prior to application for optimum adhesion. Some surfaces may require priming - a small area should be tested first.

### Specific Data

Shore A	15
Movement Accommodation	+/-20%
Skimming Time	15 Minutes at 20°C
Cure Time	3-4mm per day
Application Temperature	+5°C to + 40°C
Services Temperature	-40°C to + 150°C
Elastic Recovery	>80%

Joint depth may be adjusted to the correct size using EVERBUILD JOINT BACKER ROD or BOND BREAKING TAPE in cases where there is not enough depth to use Backer Rod.

### Movement Factors

+/- 20% Movement Accommodation.

### Primer

SILICONE S50 does not require a primer on most common surfaces, although adhesion tests are recommended prior to full scale application. If the joint is likely to be immersed or if adhesion is poor (especially on porous surfaces) use EVERBUILD SILICONE PRIMER P1. To improve adhesion (if required) to non-porous surfaces, prime with EVERBUILD SILICONE PRIMER NP2.

### Joint Width Calculation

Joint widths are calculated as in BS6213:

$$\text{Width} = \frac{M \times 100}{F} + M$$

Where M = movement and F = movement accommodation Factor

### Limitations

- Do not use in conjunction with Bitumen or Asphalt, use Everflex Weather Mate.
- Do not use in aquaria, use Everflex Aqua Mate sealant.
- Do not use on anodized or chrome plated shower trims, use Silicone 450.
- It is the users responsibility to determine suitability for use.
- If in doubt contact technical services for advice.
- Do not use on natural stone (staining risk).

### Specific Resistances

Mild acids / alkalis at < 10% concentration.

Bleach and anti-bacterial cleaners.

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