

## 6S

### Sanitary & Tile Silicone Sealant

6 December 2017

#### YOUR SMART ADVANTAGES

- Contains an effective fungicide to reduce the growth of mold and mildew.
- Because it is a neutral curing system, it is more pleasant to work with particularly in a confined space.
- It also offers excellent adhesion to powder coated metal.
- The thixotropic nature of this product ensures that it will not slump in typical construction joints.
- Meets the standard of NZFSA – C82

#### DESCRIPTION

**Bostik 6S** is a one component, non –flowing, NEUTRAL cure, MID modulus silicone sealant. It cures by absorption of atmospheric moisture to form a flexible and durable elastomeric sealant.

#### USES

Bathrooms,  
Fiberglass Spa Units  
Shower screens  
Ceramic tiles  
Tiles and grout areas. (for Granite, Marble and some porous stones, use / refer to Bostik 5CLM data sheet)  
Around edges of kitchen bench tops  
Edges of splash backs (\*Not to be used on the back of splash backs, refer to Bostik V 60)  
Cool Rooms

#### PRODUCT CHARACTERISTICS

Colour	Different colours
Skin Time – BS 5889	8-10 minutes
Tack Free Time – ASTM C679	30 minutes
Tooling Time – ASTM C679	10 minutes
Sag or slump – BS 5889	Nil
Product Code	Colour
30608459	Gloss White
30608418	Transparent
30608417	Titanium
30608435	Silver Ash
30608432	Mid Grey
30608433	Pewter
30608431	Charcoal

30608419	Antique White
30608415	Matt White
30608416	Taupe
30608414	Almond Ivory
30608413	Beige Sand
30608420	Ceramic Ivory
30608434	Sandstone

#### TYPICAL PERFORMANCE DATA (approx.)

Shore “A” hardness – ASTM C661	17-22
Modulus at 100% elongation – ASTM D412	0.4MPa
Tensile strength – ASTM D412	1.1 to 1.5mPa
Elongation at rupture – ASTM D412	630-670%
Peel strength after UV through glass – BS 5889	50N/25mm
Dynamic movement capacity – ASTM C920	±25%
Accelerated ageing and weathering – ASTM C792	Excellent
Application temperature*	-10°C to 40°C
Service temperature*	-50 to 150°C

\*Surface to be sealed must be dry and free from frost. The maximum service temperature listed is for transient temperatures. The silicone sealant will deteriorate if subjected to high temperatures on a continuous basis.

#### DIRECTIONS FOR USE

Silicones are not always compatible with plasticized sealants, bitumen and some backing rods. The incompatibility may cause discolouration, poor sealant cure or long term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials may occur.

# BOSTIK 6S SANITARY & TILE SILICONE

## APPLICATION

### Joint Design

The sealant must be capable of withstanding the expected joint movement. To calculate the joint width, establish the expected movement (expansion, contraction and shear movement) that the joint is required to withstand. The dynamic movement capability of Bostik 6S is  $\pm 25$ .

The joint design must avoid three-sided adhesion.

The sealant depth for a weather seal is normally half the joint width.

The minimum acceptable joint depth is 6mm; therefore, if the required joint width is 6mm the depth is also 6mm.

Use a closed cell polyethylene-backing rod, 25% larger than the joint width, to control the depth of the joint.

### Compatibility with Adjacent Substrates

Silicones are not always compatible with plasticized sealants, such as butyls. Also some backing rods and glazing tapes contain bitumen or other agents that are incompatible with the silicone. The incompatibility may cause discolouration, poor sealant cure or long term degradation of the sealant. Always carry out compatibility tests where contact with potentially incompatible materials occurs.

- Always ensure that the surfaces to be sealed are dry and free from oil, dirt and grease.
- Use the two-wipe process for impervious substrates.
- Ensure the cloths are clean and changed frequently, and use a suitable cleaner/solvent such as Z Bond® R-40, or IPA.
- When extruding the sealant cut the nozzle to the desired width, cut the tip off the cartridge, and apply the sealant firmly to ensure good contact between the sealant and the substrate.
- Before the sealant has skinned, tool it off to ensure a good finish, and to improve the wetting out of the sealant to the substrate.
- To achieve satisfactory adhesion a primer may be required for some substrates. Consult Bostik or your distributor for more information.

### Curing

Bostik 6S cures by absorbing atmospheric moisture, it will skin over in 8 – 10 minutes and cure to a depth of 7mm in 7 days.

## LIMITATIONS

Bostik 6S is NOT suitable for the following applications:

- As the sealant requires atmospheric humidity to cure, it will not cure in totally confined spaces where it does not have access to atmospheric humidity
- Aquariums
- Adhering Mirrors
- Structural Glazing
- Under Water Applications (including swimming pools – subject to substrate).
- N.B. This product is suitable for some applications where the sealant is in contact with water for extended periods. Please contact Bostik Australia Pty Ltd. to confirm your design details before commencing
- Below Grade Applications
- All stone's (We recommend the completion of a stain testing program before using any sealant on stone)
- Horizontal walkways
- This sealant is not paintable
- Do not clean or treat the sealant with materials, cleaning agents or solvents, that may affect or discolour the sealant, particularly during product curing

## CLEANING

Remove excess silicone using a clean cloth or polyethylene scraper. Do not use Isopropyl Alcohol to clean around uncured sealant. Cured silicone can only be mechanically removed.

## STORAGE AND SHELF LIFE

Always store the sealant in a cool dry place. Ideal storage temperature is not more than 25°C. Prolonged storage at high temperatures may affect shelf life and ultimate performance. The shelf life of Bostik 6S is 12 months from the date of manufacture when stored below 25°C and below 50% relative humidity.

## DISPOSAL

Empty containers may be disposed via local landfill. If spilt, absorb with clay, sand or earth. Collect and seal in properly labeled metal container. Dispose of according to local authority regulations. Do not dispose of down drains or into local waterways

# BOSTIK 6S SANITARY & TILE SILICONE

## PRECAUTIONS IN USE

Complete details on each of the products mentioned are available on the product Safety Data Sheets. To ensure no harm is caused to persons using Bostik products, it is recommended that all concerned read the appropriate Safety Data Sheets. Visit [www.bostik.com/au](http://www.bostik.com/au) for copies.

Bostik 6S is not classified as Dangerous Goods or as a Hazardous Substance. The product however, should be used in accordance with good occupational, health and safety practices. May cause irritation if swallowed, moderately irritating to eyes, vapour may cause irritation during the cure stage (if vapour in high concentrations). It releases methyl ethyl ketoxime until fully cured. Do not swallow and avoid prolonged or repeated contact with the skin. If contact with the eyes occurs, wash eyes with copious quantities of water and consult a doctor if irritation persists.

**For emergency information contact the Poisons Information Centre, phone 131 126 or the Emergency Response Service, phone 1800 033 111.**

BOSTIK HOTLINE

Smart help 1800 898 551



This datasheet is for the general help of users. It is provided in good faith. The data is current and accurate to the best of our knowledge. Differing materials, substrates, environments, site conditions, and product storage, handling and application may affect results. Users should carry out tests to decide the product's suitability for purpose. This data sheet and the properties of the product may change without notice. Users, suppliers and retailers should check that the data sheets they have are the latest. To the maximum extent permitted by law, Bostik disclaims all warranties in relation to manufacture and use of the product. Bostik is not liable for representations made by users, suppliers or retailers about the product. Bostik is not liable for any loss or damage resulting from incorrect, careless, or negligent use or storage of the product, including use of out of date product. Any liability arising from use of the product is limited to the replacement or purchase price of the product. Bostik does not exclude rights and remedies that cannot be excluded by legislation, for example under the Australian Consumer Law (ACL). Sale of the product by Bostik is subject to the Bostik Australia Propriety Limited Conditions and Terms of Sale. For more information on Bostik, products, and conditions of use and sale visit [www.bostik.com/au](http://www.bostik.com/au)