



Technical Data Sheet

6S

Sanitary & Tile Silicone Sealant

DESCRIPTION

Z Bond® 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.

FEATURES

Z Bond® 6S contains an effective fungicide, to reduce the growth of mould 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 (Titanium / off white).

RECOMMENDED USES

- ✓ Bathrooms,
- ✓ Fibreglass 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.



APPLICATION INSTRUCTIONS

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 **Z BOND® 6S** is ± 25 .

The joint design must avoid three-sided adhesion.

The sealant depth for a weatherseal 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.

BACK UP MATERIAL

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 plasticised 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.



APPLICATION

- 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

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

IMPORTANT NOTES

Z BOND 6-S 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

PROPERTIES

Being a one-part sealant **Z Bond® 6S** offers the confidences of consistent even cure. It also improves operator productivity, as time is not lost mixing the product, it is easy to use in difficult locations, and application is out of a standard cartridge gun.

SYSTEMS PROPERTIES

Property	Mean Result Achieved	Test Method
Skin Time	8 – 10 Minutes	BS 5889
Tack Free Time	30 Minutes	ASTM C679
Tooling Time	10 Minutes	ASTM C679
Sag or Slump	Nil	BS5889

CURED PROPERTIES

Property	Mean Result Achieved	Test Method
Shore A Hardness	17 - 22	ASTM C 661
Modulus at 100% Elongation	0.4 MPa	ASTM D 412
Tensile Strength	1.1 - 1.5 MPa	ASTM D 412
Elongation at Rupture	630 - 670%	ASTM D 412
Peel Strength after UV through Glass	50N/25mm	BS 5889
Dynamic Movement Capacity	± 25%	ASTM C 920
Accelerated Aging and Weathering	Excellent	ASTM C 792



TEMPERATURE

	Minimum	Maximum
Application Temperature	-10°C	+40°C
Service Temperature	-50°C	+150°C

Applications of the sealant at + 5°C - +35°C is permissible provided the surface to receive the silicone is dry and free of frost. The maximum service temperature listed is for transient temperatures; the silicone sealant will deteriorate if subjected to these temperatures on a continuous basis.

STORAGE 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 **Z BOND 6S** is 12 months from the date of manufacture when stored below 25°C and below 50% relative humidity

SAFETY PRECAUTIONS

SEE THE MATERIAL SAFETY DATA SHEET FOR ADDITIONAL INFORMATION.
EMERGENCY INFORMATION: 1800 033 111 (ALL HOURS)

MSDS can be downloaded from www.bostik.com.au

PACKAGING

The standard packaging for **Z Bond® 6S** is 300 & 410gm polyethylene cartridges.
 Carton size -15 cartridges per box.

voccertificates.australia@bostik.com

PRODUCT DETAILS

ITEM NO	ITEM NAME	SIZE	COLOUR
661990	Z BOND SHOWER & TILE SILICONE 6S	410 GM	ALMOND IVORY
341223	Z BOND SHOWER & TILE SILICONE 6S	300 GM	ANTIQUE WHIE
326445	Z BOND SHOWER & TILE SILICONE 6S	300 GM	CERAMIC IVORY
292885	Z BOND SHOWER & TILE SILICONE 6S	300 GM	CHARCOAL
326437	Z BOND SHOWER & TILE SILICONE 6S	300 GM	GLOSS WHITE
326402	Z BOND SHOWER & TILE SILICONE 6S	300 GM	MID GREY
283975	Z BOND SHOWER & TILE SILICONE 6S	300 GM	PEWTER
327166	Z BOND SHOWER & TILE SILICONE 6S	410 GM	SANDSTONE
283967	Z BOND SHOWER & TILE SILICONE 6S	300 GM	SILVER ASH
341231	Z BOND SHOWER & TILE SILICONE 6S	300 GM	TAUPE
313521	Z BOND SHOWER & TILE SILICONE 6S	410 GM	OFF WHITE
328421	Z BOND SHOWER & TILE SILICONE 6S	410 GM	BEIGE SAND
662010	Z BOND SHOWER & TILE SILICONE 6S	410 GM	MATT WHITE
662000	Z BOND SHOWER & TILE SILICONE 6S	300 GM	TRANSLUCENT



BOSTIK PRODUCT GUARANTEE

This product comes with consumer guarantees that cannot be excluded under the Australian Consumer Law (ACL). In addition to your rights as a consumer under the ACL or other laws, Bostik guarantees the performance of this product for 10 years if the product is used within its shelf life and in accordance with the usage instructions printed on this packaging or the product's Technical Data Sheet available on our website. This 10 year guarantee specifically excludes any loss or damage caused by incorrect usage and covers the removal and replacement of the affected materials if the failure is proven to be directly related to Bostik products within the warranty period.

If you wish to make a claim under this guarantee you must within 2 weeks after first identification of damage notify us in writing using the details on this packaging. You must provide evidence of your purchase and specify the batch number printed on the packaging. Bostik reserves the right to inspect any alleged failure and no responsibility will be accepted unless Bostik is given the opportunity to do so.

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