

TECHNICAL DATA SHEET

FULASEAL 770 SANITARY SILICONE

Description

Fulaseal 770 Sanitary Silicone sealant is a high performance neutral cure silicone sealant. Fulaseal 770 Sanitary Silicone sealant is specifically designed for use in wet areas. Fulaseal 770 Sanitary Silicone sealant contains a mould and mildew inhibitor and is suitable for contact with aluminium shower screens.

Benefits

- Mould and mildew resistant
- Neutral cure – Will not corrode concrete or zinc coated / galvanised steel
- Permanently flexible; $\pm 20\%$ joint movement
- Resistance to weathering and UV radiation
- Resistant to vibration
- Strong adhesion
- One part - no mixing
- Sag resistant –can be used in vertical and over head joints

Compatible Substrates

Steel	Aluminium
Galvanised iron	Masonry
Ceramic tiles	Grout
Laminated plastic	Zincalume
Glass	Most plastics (pretest)

Uses

Sealing around:

- Showers
- Bath tubs
- Sinks

- Laundries
- Sealing and weather proofing sanitary ware and spas

Performance Data

Property	Data
Specific Gravity	0.97
Sag	Nil
Skimming Time	15-25 min, 25°C, 50% RH
Cure Rate	2 mm / day
Full Cure	After 7 days
Joint Movement	$\pm 20\%$
Coverage	300ml cartridge will give approximately 15 lineal meters of a 5mm bead
Shore A Hardness	26

Mildew Resistance

The effectiveness of the mould inhibitor will diminish with time. To increase the life of the sealant, it is recommended that build up of soap scum and body oils be removed using a solvent or bleach on a regular basis. This will discourage the growth of mould or mildew by depriving them of a food source. Do not use saliva to smooth silicone, as it will reduce resistance considerably to mould and mildew.

Surface Preparation

All surfaces must be clean, dry, sound and free of dust, oil, old sealant or other contamination.

Lightly contaminated surfaces should be wiped with Isopropyl Alcohol (IPA) using the 2-rag wipe method. Apply IPA to a clean lint-free cloth and wipe onto the surface to be

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cleaned to solubilise and remove the majority of the contaminant. A clean dry cloth should then be applied to remove remaining contamination and dry the surface. Ensure wet cleaner is not allowed to dry on surface. For more heavily contaminated surfaces or where the IPA does not remove the contaminant, a generic wax and grease remover should be applied using the same 2-rag wipe method. Once this has been completed the surface should be given a final clean with IPA using the 2-rag wipe method to ensure the surface is adequately prepared. Adhesion to metals and some surface finishes can be further improved by light abrasion prior to cleaning with IPA using the 2 rag-wipe method. For glazing applications IPA should be used to clean and prepare the surface. Manufacturers of plastics should be consulted about suitable cleaning solvents. Adhesion to plastics should be pre-tested. Mask either side of joint to produce a neat finish. Use a suitable sized foam backing rod or polyethylene bond breaker tape to prevent three sided joint contact impeding the free and even deformation of the sealant in a cyclic joint.

Product Application

Cut seal on top of cartridge. Screw on nozzle and cut to desired bead size. Hold gun at 45° angle. Push forward, squeezing trigger to gently fill joint. Within 5 minutes of application tool the sealant, ensure the sealant wets the sides of the joint. If masking tape is used to produce a neat finish, remember to remove the masking tape before the sealant skins. Trim with a knife once cured, if needed.

Limitations

- Not paintable
- Do not use on freshly painted surfaces
- Do not use in contact with food or potable water
- Do not use on materials that bleed oils, plasticisers or solvents as this will affect adhesion
- Not a fire rated sealant
- Do not use in direct contact with silver coating of mirrors (e.g. on the edge of the mirror)
- Will not cure in absence of moisture

Painting

Mask all areas not requiring sealant. Paint will not adhere to silicone. Complete any painting and allow to thoroughly dry before applying sealant.

Chemical Resistance

Resistant to water, salt water, grease, oils, fuels, defrosting liquid, detergents, aliphatic fats, mildew, weak acids and bases (pre testing required).

Curing

The rate of cure depends on the air temperature and humidity, the cross sectional area of the bead of sealant and the surface area of sealant exposed to the air. At 25°C and 50% relative humidity cure rate is 2 mm / 24 hours. In general, low humidity and/or low temperature will result in longer cure times. Thicker sections of sealant will have longer cure times. A small surface area in relation to the volume of sealant will also extend the cure time. Ensure that the depth of the sealant in a joint never exceeds its width.

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Shelf Life

Fulaseal 770 Sanitary Silicone will remain suitable for use for 12 months from date of manufacture, if stored in original container, unopened, in cool dry place in temperatures less than 30°C. Once opened, the contents should be used as soon as possible. The life of contents of an opened cartridge can be extended if the nozzle is left in place after use and the tip is wrapped in plastic film.

Clean Up

Best results are obtained by masking prior to sealing to avoid the necessity for clean up. However, if sealant is applied to areas where it is unwanted, clean up uncured sealant using toluene*, xylene*, methyl ethyl ketone*, or mineral turpentine* and a cloth. Cured sealant should be removed by abrasion or trimmed with a sharp knife. Do not undercut seal.

Safety Information

This product is not considered to be hazardous according to criteria of NOHSC. Avoid contact with skin and eyes. Store in a dry place below 30°C. Keep out of reach of children. A MSDS is available from the H.B. Fuller representative your state, HB Fuller Australia customer service, or downloadable from the HB Fuller web site, www.hbfuller.com.au. For Poisons Information Centre phone 13 11 26.

Disclaimer

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