



FULASEAL 705 BRICK AND CONCRETE SILICONE

Description

Fulaseal 705 Brick & Concrete silicone sealant is specifically designed for use on porous surfaces such as brick, concrete, masonry, ceramic tiles, stones and fiber cement sheet.

Benefits

- Neutral Cure: Will not attack concrete or cement
- Permanently flexible: $\pm 25\%$ joint movement
- 25 year minimum durability[†] - Excellent resistance to weathering and UV radiation
- Resistant to vibration
- Resistant to temperature extremes: - 50°C to 150°C
- 25% dynamic movement capability
- Strong adhesion
- Sag Resistant

Uses

- Repair and seal driveways
- Repairs around patios
- Repair and seal brickwork
- Expansion joints in Masonry

Compatible Substrates

Brick	Concrete
Ceramic	Fiberglass
Cement	Fiber cement
Granite	Bluestone

Performance Data

Property	Data
Specific Gravity	~1.35
Sag	Nil
Tooling Time	5 minutes
Skimming Time	15-25 min, 25°C, 50% RH
Cure Rate	1-2 mm / day
Full Cure	Dependant upon thickness
Service Temperature	-50°C to 150°C
Water Immersion	Not suitable
Joint Movement	+ 25%
Joint Size	Width 4 mm to 25 mm Depth = 0.5 - 1 x width (20mm maximum)
Shore A Hardness	26

Coverage

300ml cartridge will give approximately 15 lineal meters of a 5mm bead.

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 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

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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.

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.

Shelf Life

Fulaseal 705 Brick and Concrete 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. 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.

25 Year Guarantee

Applies when used as directed for private or commercial use within 12 months of the date

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of manufacture. Sealant is guaranteed against cracking, drying out or crumbling for 25 years. If sealant fails, send evidence of failure and proof of purchase to nearest H.B. Fuller office for a refund or product replacement.

- 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 atmospheric moisture

Limitations

- Not for structural glazing
- Not suitable for use below ground
- Not for permanent or continuous water immersion
- Not recommended as a plug or seal on burst water pipes or rusted guttering
- Pretest on porous stone e.g. limestone or marble – finish may be affected due to porosity of the stone
- Powder coated metal surfaces may have high wax contents. Ensure that these surfaces are solvent cleaned. Pre test silicone to ensure adhesion to surface
- Do not use on copper or brass as discoloration may occur
- Not recommended in situations where movement exceeds $\pm 25\%$ of the original joint dimensions
- Not recommended for use on polycarbonate plastic sheeting
- Not suitable for use where high abrasion, e.g. foot traffic is expected
- Do not use to construct aquariums
- Not paintable
- Do not use in contact with food or potable water
- Do not use on freshly painted surfaces
- Do not use on bituminous surfaces
- Do not use on materials that bleed oils, plasticisers or solvents as this will affect adhesion
- Not a fire rated sealant

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

This technical data sheet summarises at the date of issue to the best technical knowledge of HB Fuller Australia. Since HB Fuller Australia cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this technical data sheet in the context of how the user intends to handle and use the product in the workplace. If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company. Our responsibility for the products sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available on request

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