



FULASEALPRO 260 HI TEMP SILICONE

Description

FulasealPRO 260 Hi Temp Silicone is a multipurpose one component RTV silicone used for industrial sealing and bonding where temperature resistance is required. It forms a tough rubber like film which outperforms standard grade silicones.

Benefits

- Acetic cure
- Permanently flexible: ± 25% joint movement
- Excellent resistance to weathering and UV radiation
- Resistant to vibration
- Resistant to temperature extremes: - 50°C to 260°C continuous and short periods up to 312°
- 25% dynamic movement capability
- Strong adhesion
- High tensile strength
- Rapid cure
- One part – no mixing
- Sag Resistant

Uses

- Gasket sealing in automotive engines
- Sealing over belts and elements
- Industrial sealing and bonding where high temperature resistance is required
- General industrial bonding

Compatible Substrates

Ceramic tile	Steel
Ceramic	Aluminium
Glass	Non oily timber
Fiberglass	

Coverage

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

Performance Data

Property	Data
Specific Gravity	1.04g/ml
Sag	Nil
Tooling Time	5-10 minutes
Skinning Time	10-20 min, 25°C, 50% RH
Cure Rate	3 mm / day, generally
Full Cure	Dependant upon thickness
Joint Movement Capabilities	± 25%
Hardness	25 Shore A
Tensile Strength	2.3 MPa

Limitations

- Not for structural glazing
- Not suitable for use below ground
- Not for permanent or continuous water immersion
- Not recommended on materials where the acetic acid by-product could cause corrosion, e.g. zinc coated / galvanised metals, copper, brass, concrete, cement, brick, limestone, marble and some metallic coated tiles
- Do not trap on unexposed metal surface

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- Not recommended for use on polycarbonate plastic sheeting
- 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
- Do not use in direct contact with silver coating of mirrors (e.g. on the edge of the mirror)

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 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 10 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 3 mm / 24 hours. In general, low humidity and/or low temperature will result in longer

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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

FulasealPRO 260 Hi Temp 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.

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.

Disclaimer

This technical data sheet summarises at the date of issue to the best of the knowledge of HB Fuller, the technical information of the product and in particular, how to safely handle and use the product in the workplace. Since HB Fuller Australia Pty Ltd 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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