TIC® Thermal Insulation Chemicals
TIC CORPORATION

Product Data Sheet TIC 7040w Firestop Silicone Sealant

Description

TIC 7040w Firestop Silicone Sealant is a single part, low modulus neutral cure silicone firestop. **TIC 7040w Firestop Silicone Sealant** will prevent the spread of toxic gasses, smoke and fire. It is not affected by UV radiation, will not crack and is capable of sustaining constant vibration and seismic and thermal shock.

TIC 7040w Firestop Silicone Sealant is easy tooling. It can be used on virtually any surface.

TIC 7040w Firestop Silicone Sealant is used with any standard caulking gun.

TIC 7040w Firestop Silicone Sealant contains no asbestos, lead, mercury, or mercury compounds.

Properties

Property	Specification	Test method
Color	Gray, Black	TSTM-01
Application	Trowel, caulking gun or extrusion Equipment	TSTM-06
Density	1.40 ± 0.05 kg/ℓ	ASTM D 1475
Weight non-volatile	93 ± 1 %	ASTM D 1644
Coverage	Trowel: 2.64 kg/㎡ (1.88 ℓ/㎡) Dried film thickness: 1.6 ㎜ Caulking gun (420㎖ sausage): - 36m @3.2㎜ bead - 8m @6.4㎜ bead	TSTM-07
Drying time	Set to touch: in 60 minutes (25±2℃, 50±2% RH) Dry through: 14 days	ASTM D 1640
Service temperature limits	(Temperature at coated surface) -55 ℃ ~ 200 ℃ (-67 ℉ ~ 392 ℉)	TSTM-04
Hardness	25 ~ 35 cured (Shore A)	ASTM C 661
Elongation	> 300 %	ASTM D 412
Tensile strength	> 1 MPa	ASTM D 412
Firestop test	It has been tested to ASTM E 814 (UL 1479) and meets the criteria for fire/smoke/draft stop for BOCA – CABO – UBC – SBCCI – IRC – IBC	ASTM E 814, UL 1479
	CLASS B2	DIN 4102

Limitations

Store between 4 ℃ (40 ℉) and 38 ℃ (100 ℉).

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Application Guide TIC 7040w Firestop Silicone Sealant

Material Preparation

All surfaces should be clean and free of dirt, dust, debris and any oils and grease prior to application. Clean with solvent or cleaning alcohol if needed. Wipe after with clean damp rag.

Application

1. Cut tip off cartridge just above threads. Screw on nozzle and cut on 45° angle to desired bead size. Insert cartridge into standard caulking gun.
2. For a smooth seal, hold at 45°angle and apply by pushing sealant ahead of nozzle.
3. To ensure good adhesion, all surfaces should be clean and free of dust, oil, loose materials or any other substances.
4. Make sure that TIC 7040w Firestop Silicone Sealant makes complete contact with the entire surface of the opening and also the surface of the penetrating items.
5. Always follow cartridge directions. Clean the area to be treated so that it is free of all particles and debris. For large openings, mineral wool fibers can be used as a backer to help hold the product in place until cured. Steel screen wire can be stapled in place over the material when a large opening is overhead or configured such that the material will not support its own weight during cure.

Clean-up

Direct contact of uncured sealant irritates eyes and may irritate skin. Overexposure to vapor may irritate eyes, nose and throat. Avoid eye and skin contact. Use with adequate ventilation. Do not handle contact lenses with sealant on hands. In case of eye contact, flush eyes with water for 15 minutes. Obtain medical attention. In case of skin contact, remove from skin and flush with water. Keep out of reach of children.
The surface of the silicone sealant would not be painted or colored. Vulcanized rubber containing sulfur, painted object, EPDM, chloroprene rubber may occur discoloration.

Note

Important: We make no other warranties and expressly disclaim any warranties of merchantability or fitness for a particular purpose. If a product fails to meet this limited warranty, purchaser's sole and exclusive remedy is replacement of the product or, at our option, refund of the purchase price. Our acceptance of any orders for the product is expressly conditional upon purchaser's assent to the terms on the applicable invoice.

Adequate Tests: The information contained herein we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be perform by you to determine if this product meets all of your requirements. The shelf life can be affected by storage and handling conditions. When products are stored in the original unopened container in an enclosed area and protected from contamination, moisture and extreme temperatures, the warranted shelf life is twelve months from the date of shipment to the original purchaser.

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