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Product Description

Vibra-TITE 997 Blue Silicone Sealant is a one-part neutral cure silicone sealant with high temperature resistance that cures in the presence of atmospheric moisture to produce a durable and flexible silicone rubber compound.

Typical Applications

Vibra-TITE 997 Sealant provides a long-lasting flexible seal with excellent adhesion to most surfaces. This sealant is intended for a variety of general purpose and industrial applications and retains its elastomeric properties at temperatures from -65° to 500° F (-53° to 260° C.).

Technical Features

Specially designed for automotive applications such as sealing exhaust manifolds; turbo housings; oxygen sensors; adhering auto and appliance trim; providing form-in-place gaskets for gear boxes, compressors & pumps; sealing trailers and truck cabs; bonding and sealing appliance parts.

The consistency of Vibra-TITE 997 Sealant remains uniform over a wide range of temperatures. It may be applied in sub-zero weather without loss of extrusion or physical properties.

Vibra-TITE 997 Sealant retains its elastomeric properties at temperatures from -65° to 500° F and can be used for intermittent exposure at temperatures up to 600° F.

Limitations

Vibra-TITE 997 Sealant is not recommended for use in the following applications:

- Do not use silicone gasket maker only when replacing head gaskets.
- Do not use on parts continuously immersed in gasoline.
- Glazing or edge sealing of insulated glass.
- Structural glazing.
- Aquariums
- Copper or brass. The cure byproduct may discolor these surfaces.
- Totally confined spaces. Because the sealant needs atmospheric moisture to cure.
- Surfaces that require painting. Paint will not adhere to most silicone surfaces.

Properties

Sag or Slump: Nil
Color: Blue
Specific Gravity: 1.3
Tack-free time: <1 hr (@ 77° F, 50% RH)
Curing time: 24 hrs (@ 77° F, 50% RH, ¼" bead)
Durometer hardness, Shore A: 30
Meets GM Specification 9985985

Procedure for Application

1. Clean and dry surfaces. Surfaces should be free of dirt, grease, oil and old gasketing material.
2. Remove cap, puncture inner seal, screw on extension nozzle and cut nozzle to desired bead width.
3. Apply an approximate 1/8" unbroken bead to one surface, completely encircle all bolt holes.
4. Assemble parts while material is tacky (approx. 5 to 10 minutes). Do not over tighten bolts. Material skins within 15 minutes.
5. May be applied to both sides of gasket to use as a pre-cut gasket dressing.
6. Allow to cure for at least 15 minutes. Material normally fully cures in 24 hours.
7. Remove nozzle and replace cap after use.

Shelf Life

When stored in original, unopened containers at or below 90° F (32° C) Vibra-TITE 997 Sealant has a minimum shelf life of 12 months from the date of manufacture.

General Information

Health & Safety in use
Because of solid content, use of gloves and goggles are recommended.