



### **0809/OI Series RD PRO 100% Silicone Sealant – Heat Resistant Red:**

- **What is the base chemistry for this product?** Acetoxy cure silicone sealant formulation modified for increased heat resistance.
- **What is the approximate service temperature range for this formula?** -60F to 500F (Intermittent short-term exposure to 600F – when fully cured.)
- **Does product remain flexible after cure?** Yes. 100% silicone sealants exhibit a high degree of flexibility after cure.
- **What amount of joint movement will 0809/OI tolerate after full cure?** Minimum of +/- 25%.
- **Is product highly resistant to cracking, shrinking & peeling?** Yes, when used according to directions.
- **Is 0809/OI Heat Resistant Silicone a spec-compliant formula?** Yes; product satisfies numerous specifications (see TDS).
- **What was the 0809/OI Formula primarily designed to do?** For bonding, sealing, encapsulating & protective coating operations where parts must perform @ higher temperatures – product may be used for sealing & encapsulating heating elements in appliances, for aerospace gasketing, moving oven belts, industrial ovens, bag filters on smoke stacks, fired heaters, gas appliance flues & flanged pipe joints.
- **Is 0809/OI suitable for continuous water immersion?** No.
- **Is 0809/OI recommended for application to concrete, brick, mortar & other cementitious/masonry surfaces?** No.
- **Is 0809/OI paintable?** No.
- **Will 0809/OI adhere to impregnated woods or materials that are oily or subject to bleed oils such as plasticizers?** No.
- **Is 0809/OI suitable for application in totally confined areas?** Not recommended, as atmospheric moisture is necessary for sealant cure.
- **Are there other substrates (other than cementitious substrates noted above) to which 0809/OI will not adhere tenaciously to?** Yes. 0809/OI is not recommended for use on Teflon coated materials, Polyethylene, Polypropylene or Methylmethacrylate (Plexiglas).
- **Any other applications where 0809/OI is not recommended?** Yes. Product should not be used on or near sensitive metals such as copper, brass, zinc, carbon steel, galvanized iron or magnesium as these metals may be corroded especially in confined areas due to the acetic acid released during cure.
- **What color is 0809/OI as supplied?** Red.
- **Is 0809/OI VOC Compliant?** Yes, product is suitable for sale in California & OTC areas.
- **Does 0809/OI contain any Prop 65 Ingredients?** No.
- **How does 0809/OI Series cure?** Upon exposure to atmospheric moisture/water vapor in the air.
- **What is a typical Shore A Durometer Hardness value for 0809/OI?** 28 +/- 4.

- **Does 0809/OI exhibit an odor during application & cure?** Yes; product gives off acetic acid (vinegar odor) during application & cure. No odor is present @ full cure.
- **What is the recommended temperature range for application of 0809/OI?** Approximately 10F to 100F, only to clean, dry, frost-free surfaces.
- **What is a typical cure time for a 1/8 inch bead?** Approximately 24 hrs (optimum adhesion established in 7 to 10 days depending upon climatic conditions).
- **Is 0809/OI considered flammable?** No.
- **What is the standard container for 0809/OI?** 10.1 oz Injection Molded HDPE Cartridge.
- **Where can additional information be found on 0809/OI?** See MSDS & TDS on this website ([www.reddevil.com](http://www.reddevil.com)).