



# Red Devil

## **RDPRO** 100% RTV SILICONE HI-TEMP RED

100% RTV Silicone Sealant Heat Resistant Industrial Grade is a one-component, non-slumping sealant that cures to a rubbery solid at room temperature. This high temp silicone sealant is formulated with iron oxide too resist extreme heat exposure and withstand temperatures up to 600°F. This sealant is extremely durable and can be used on industrial ovens, heating elements, boilers, and more without cracking, shrinking, or peeling.

### FEATURES:

- Waterproof & Weatherproof
- Remains Flexible and Resists Vibration
- Extremely Durable
- Resists Cracking, Shrinking & Peeling
- Resists Extreme Heat Exposure
- VOC Compliant
- Interior & Exterior Use

### USES:

Formulated for use on Oven Belts, Industrial Ovens, Oven Windows, Drying Ovens, Boilers, Fired Heaters, Flanged Pipe Joints, Access Doors & More.

### ADHERES TO:

Glass, Fiberglass, Non-oily Woods, Most Metals, Porcelain, Ceramic Tile, Most Painted Surfaces and More.



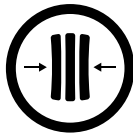
INTERIOR &  
EXTERIOR USE



BELOW-FREEZING  
APPLICATION



WATERPROOF &  
WEATHERPROOF



REMAINS  
FLEXIBLE/RESISTS  
VIBRATION

Meets or Exceeds Federal Specifications:

- TT-S-001543A, Class A
- TT-S-002030C, Class A
- ASTM C920 Class 25
- Mil. Spec. 46106A, CEBTP 432.65 140-2



MADE  
IN THE **USA**



[www.reddevil.com](http://www.reddevil.com)

Customer Service: 1-800-423-3845

Red Devil, Inc.  
4175 Webb Street  
Pryor, OK 74361

# TECHNICAL DATA SHEET

## 100% RTV SILICONE SEALANT HEAT RESISTANT

PART#	COLOR	PACKAGE	UPC #	CASE QTY.
08090I	Red	10.1 fl. oz (266 mL) Cartridge	0-75339-80901-3	12
08290I	Red	2.8 fl. oz (83 mL) Tube	0-75339-82901-1	12

### PHYSICAL & CHEMICAL PROPERTIES:

Weight Per Gallon: 8.50

Specific Gravity: Approx. 1.602

Total Non-Volatile % Solids (Weight): > 98% +/- 1.5

Extrudability/Application: 45 seconds +/- 10

Consistency/Appearance: Smooth, Viscous Paste

Flash Point: Non-Flammable

Odor: Vinegar (Acetic Acid)

Base Polymer: Proprietary Siloxane Blend

Filler/Pigment: Fumed Silica/Red Iron Oxide

Slump/Sag: 9

Freeze/Thaw Stability: Pass 5 Cycles

Shelf Time: 2 years @ 72°F

Tack Free Time: < 30 minutes

Full Cure: 24 hours

Storage Conditions: Original Container: 40°F to 90°F

Application Temperature: 10°F to 110°F (-12°C to 38°C)

Elongation at Break/Ultimate Tensile: 600% to 700%

Joint Movement Capability: +/- 25%

Service Temperature: -60°F to 500°F (-51°C to 260°C)(600 Interm)

Tooling: Excellent

### APPLICATION:

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax, loose paint, frost & old caulking. Alcohol or Acetone can be used to clean the surface depending on the substrate. Since porous materials can absorb and retain moisture. It is very important that all substrates are dry prior to application. Clip off tip of nozzle/spout @ 45° angle to desired bead size. Load cartridge into caulking gun and apply. Smooth caulk using a Caulk Smoother, Putty Knife or Damp Cloth. Remove excess with a damp cloth before surface skins over.

### FOR BEST RESULTS:

- Store at temperatures above freezing, below 70°F.
- Best application temperature range, 10°F to 100°F.
- Allow 7 days for maximum strength to develop before testing adhesion or strength.

### CLEAN UP:

Clean excess uncured sealant from surfaces and tools with mineral spirits. excess cured sealant must be cut or scraped away. Wash hands or skin with mild soap & water.

### LIMITATIONS:

- Sealant not Paintable. Complete all painting prior to sealant application.
- Sealant does not adhere well to Teflon coated materials, Polyethylene, Polypropylene or Methylmethacrylate.
- Do not store at elevated temperatures.

### LIMITED WARRANTY:

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If when applied as directed, this material peels, cracks or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.

CRITERIA	STATUS
CARB Compliance	Yes
Prop 65 Ingredients	Yes (See MSDS)
DOT Proper Shipping Name	Not Regulated by DOT
DOT Hazard	None
DOT UN/NA Number	None
Packing Group	None
VOC Content	< 3% by weight, < 30 g/L

**CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. KEEP FROM FREEZING. (See SDS for additional safety information)**

**⚠ WARNING: Risk of Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)**