



Red Devil



TECHNICAL DATA SHEET

RDPRO[®] 100% RTV SILICONE SEALANT

INDUSTRIAL GRADE

DESCRIPTION

Advanced high-performance formulation sealing and glazing compound ideal for use in most OEM and maintenance applications. Forms a strong, durable, and weather-resistant seal, as well as provides excellent adhesion to most porous and non-porous surfaces.

SURFACE PREPARATION

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.

PART #	PACKAGE	COLOR	UPC
08160I	10.1 oz (300 ml) Cartridge	White	075339816011
08162I	10.1 oz (300 ml) Cartridge	Almond	075339816219
08164I	10.1 oz (300 ml) Cartridge	Bronze	075339816417
08165I	10.1 oz (300 ml) Cartridge	Gray	075339816516
08166I	10.1 oz (300 ml) Cartridge	Black	075339816615
08260I	10.1 oz (300 ml) Cartridge	Clear	075339826010

KEY FEATURES

- NSF Listed / FDA Approved
- Meets or Exceeds Federal Specifications
 - TT-S-001543A Class A
 - TT-S-00230C Class A
 - ASTM C920 Class 25
 - Mil Spec. 46106A, CEBTP 432.65 140-2
- UL Recognized
- Mold & Mildew Resistant
- Creates a Waterproof Seal
- Remains Flexible & Resists Vibration
- Interior/Exterior
- VOC Compliant

USES

Excellent Sealant/Adhesive for many Industrial-Construction applications. Formed-in-Place Gasket Applications, Walk-in Freezer Manufacturing, RV & Trailer Manufacturing, Countertop Installation, Bathroom Installation/Sealing, HVAC, Sheet Metal.

ADHERES TO

Metal, Aluminum, Glass, Ceramic, Porcelain, Marble, Fiberglass, Most Types of Wood, Some Plastics, Painted Surfaces, Non-oily Surfaces, Brick, Stone, Masonry, and many other common building materials.

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, < 40 g/L

DIRECTIONS

1. Remove old caulking.
2. Clean and dry surface.
3. Clip off tip of nozzle/spout @ 45° angle to desired size.
4. Load cartridge into caulking gun and apply.
5. Smooth caulk using Red Devil Caulk Smoother, Red Devil Putty Knife.
6. Wipe away excess with a cloth or towel before surface skins over.
7. After cure, carefully remove excess with a razor blade, taking care not to undercut sealant bond.

FOR BEST RESULTS

- Store at temperatures above freezing, below 60° F.
- Best application temperature range, 10° F to 100° F.
- Avoid applications of total confinement as sealant cures through contact with atmospheric moisture.
- Complete tooling of applied bead within 5 to 10 minutes.

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.



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PHYSICAL/PERFORMANCE PROPERTY	TEST METHOD	TYPICAL RESULT
Weight Per Gallon	Gardner Cup	8.50 +/- 0.50
Specific Gravity	Calculated	Approx. 0.96 to 1.08
Total Non-Volatile % Solids (Weight)	Computrac Analyzer	> 93%
Extrudability/Application	Semco Gun (6 oz. @ 50 psi)	60 Seconds +/- 10
Consistency/Appearance	Visual Observation	Smooth, Viscous Paste
Low Temperature Flexibility	ASTM D746	Pass
Odor	Subjective	Vinegar (Acetic Acid)
Base Polymer	Known	Proprietary Siloxane Blend
Filler/Pigment	Known	Amorphous Fumed Silica
Slump/Sag	Test Lab	0
Freeze/Thaw Stability	Test Lab 0F/77F @ 24 hrs. or ASTM C731	Pass 5 Cycles
Shelf Life	Lab 50 C Oven – Accelerated	Minimum 1 Yr. @ 72F
Tack Free Time	Test Lab	Approx. 20 minutes
Full Cure	Test Lab	24 Hours
Storage Conditions	Test Lab	Original Container: 40F to 90F
Application Temperature	Test Lab	10F to 140F (-12C to 60C)
Elongation at Break/Ultimate Tensile	Instron Tensile Tester	500% Minimum / 450 psi +/- 25 psi
Joint Movement Capability	Test Lab	+/- 25%
Service Temperature	Test Lab	-60F to 400F (-51C to 204C)
Tooling	Test Lab	5 to 10 minutes



- : Warning
- : Causes serious eye irritation.
- : Causes skin irritation.
- : May cause respiratory irritation.

(SEE SDS FOR ADDITIONAL INFORMATION)

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

⚠ WARNING: Cancer Risk From Titanium Dioxide Exposure - www.P65Warnings.ca.gov

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.