



RD-DS 181

ACRYLIC LATEX DUCT SEALANT

A specially formulated water based, gray siliconized acrylic duct sealer for indoor/outdoor use. Suitable for low to high pressure metal air distribution systems, product is non-flammable, provides permanent flexibility, excellent water resistance & sealing characteristics.

FEATURES:

- Interior & Exterior Use
- Permanently Flexible
- Non-Flammable
- Paintable
- Strong Adhesive Grip
- Non-staining

USES:

Formulated for use on Ducts, Vents and Air Conditioners.

ADHERES TO:

Aluminum, Glass, Masonry, and other Metals.



PERMANENT
FLEXIBILITY



STRONG
ADHESIVE GRIP



UL®
LISTED



MOLD & MILDEW
RESISTANT WHEN
CURED

Meets or Exceeds Federal Specifications:

- UL Listed



www.reddevil.com
Customer Service: 1-800-423-3845

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

TECHNICAL DATA SHEET

RD•DS 181 ACRYLIC DUCT SEALANT

PART#	COLOR	PACKAGE	UPC #	CASE QTY.
0841DS	Gray	1/2 Gallon Tub	0-75339-01221-5	4
0846DS	Gray	10.1 fl. oz (300 mL) Cartridge	0-75339-01219-2	12

PHYSICAL & CHEMICAL PROPERTIES:

Weight Per Gallon: 13.75 +/- 1

Specific Gravity: 1.52 to 1.77

Total Non Volatile % Solids (Weight): 81% +/- 1

Extrudability/Application: 9 seconds +/- 3

Consistency/Appearance: Smooth, Viscous Paste

Brookfield: 325,000 cps +/- 75,000

pH (initial): 7 to 9

Odor: Mild Acrylic

Base Polymer: Acrylic Emulsion

Pigment: Calcium Carbonate/TiO₂

Siloxane Adhesion Promoter: Yes

Flash Point: Greater than 200°F; Non-Flammable

Freeze/Thaw Stability: Pass 5 Cycles (ASTM C731)

Shelf Life: Minimum 1 year @ 72°F

Slump: 0 to < 0.15 in

Flexibility: Excellent @ 32°F; Good @ 0°F

Tack Free Time: < 1 hour

Storage Conditions: 40°F to 90°F (-40°C to 93°C)

Application Temperature: 40°F to 90°F (-40°C to 93°C)

Service Temperature: -20°F to 180°F (-40°C to 93°C)

Tooling: Excellent

Paintability: 4 to 6 hours for latex, Oil-based after 24 hours

% Elongation @ Break: 200 to 250%

APPLICATION:

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax & old caulking. Using a brush, cartridge gun or spatula, apply duct sealer to male section of spiral duct or to both fittings in a regular duct. Join joints while sealant is wet (within 10-15 minutes) & secure with sheet metal screws applied as close as possible (1/2" or less). Apply duct sealer to outside of assembly using a 2 inch wide band of sealant, thoroughly covering joint head & sheet metal screws. Allow sealant to set (approximately 72 hours), before pressure testing system for leaks. Do not thin. Color temperatures & higher humidity will prolong cure time.

FOR BEST RESULTS:

- Apply in temperatures between 40°F (& rising) & 90°F.
- Store between 40°F & 90°F, in original container.
- Do not attempt to thin.
- Allow 4 to 6 hours drying before painting, depending upon climatic conditions - latex; 24 hours drying for oil-based - if painting, use a premium paint.

CLEAN-UP:

Water & mild soap.

LIMITATIONS:

- Apply only to clean, dry, frost-free surfaces.
- Do not apply when rain or freezing temperatures are expected.
- Protect from rain & exposure to water for 72 hours.
- Not recommended for below grade applications

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.

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 From Titanium Dioxide Exposure - www.P65Warnings.ca.gov

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	< 1.5% by weight, < 25 g/L