Red Devil®

WATER-BASED DUCT SEALANT

F-SEAL 181

F-Seal® is a premium, fiber-reinforced, water-based duct sealant for indoor/outdoor use. Suitable for pressure sealing all types of HVAC duct systems including metal, fiberglass duct board, and flex duct. Use it to seal metal to metal joints to prevent air leaks in medium and high-pressure systems of spiral and rectangular ductwork. This low VOC formula is mold and mildew resistant, and paintable, once cured.

FEATURES:

- Interior & Exterior Use
- Fast Dry Time
- Exceeds all SMACNA Pressure and Sealing Classes
- Seals High, Medium, and Low-Pressure HVAC Duct Systems
- Excellent Adhesion
- UV Resistant, Paintable after Full Cure
- Excellent Flexibility
- Low VOC

USES:

Formulated for use on Metal and Flexible Ducts, Vents, Air Conditioners, HVAC Appliances & More.

ADHERES TO:

Painted & Unpainted Wood, Tile, Plaster, Drywall, Brick, Glass, Metal, Aluminum, Concrete, Masonry & More.

INTERIOR & EXTERIOR USE

SMACNA A, B, & C
EXCEEDS ALL PRESSURE AND SEALING CLASSES

MOLD & MILDEW RESISTANT WHEN CURED

FAST DRY TIME

UL®
LISTED

Meets or Exceeds Federal Specifications:

- **UL Listed 181 A-M & 181 B-M**
- **Contributed to LEED EQ Credit 4.1**
- **Meets CA Dept. Of Public Health Emission Requirements V1.1, 201**

MADE IN THE USA

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

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

TECHNICAL DATA SHEET

F-SEAL® WATER BASED DUCT SEALANT

PART#	COLOR	PACKAGE	UPC #	CASE QTY.
0841DB	Black	1 Gallon Pail	0-75339-01921-4	2
0841DW	White	1 Gallon Pail	0-75339-00658-0	2
0841DX	Gray	1 Gallon Pail	0-75339-00346-6	2
0846DW	White	10.1 fl. oz (300 mL) Cartridge	0-75339-00652-8	24
0846DX	Gray	10.1 fl. oz (300 mL) Cartridge	0-75339-00348-0	24
0847DW	White	2 Gallon Pail	0-75339-00665-8	1
0847DX	Gray	2 Gallon Pail	0-75339-00660-3	1

PHYSICAL & CHEMICAL PROPERTIES:

Weight Per Gallon: 12 lbs/gal +/- 0.5
Total Non-Volitile % Solids (Weight): 70% +/- 2
Consistency/Appearance: Textured Viscous
Freeze/Thaw Stability: Passes 5 Cycles
Shelf Life: Minimum 15 months @ 72°F
Tack Free Time: < 1 hour
Storage Conditions: 35°F to 110°F
Application Temperature: 40°F to 110°F (4°C to 43°C)
Service Temperature: -40°F to 200°F (-40°C to 93°C)
Pressure Rating: > 12 w.g
Shore A Hardness: > 20
Flammability - Surface Burning: Smoke Developed 0, Flame Spread 0
Slump Test: Pass
Average Linear Coverage: 160 Linear ft. (3 in. wide)
Average Area Coverage: 40 sq. ft.

CRITERIA	STATUS
CARB Compliance	Yes
Prop 65 Ingredients	Yes (See MSDS)
DOT Proper Shipping Name	Not Regulated by DOT
DOT Hazzard	None
DOT UN/NA Number	None
Packing Group	None
VOC Content	< 1.5% by weight, < 25 g/L

APPLICATION:

UL 181 A-M RIGID FIBERGLASS AIR DUCT: Assemble sections to manufacturer's instructions. Apply a 3" wide by 20 mil band of duct sealant to duct board. Embed a fiberglass scrim (5 mil, 20 x 10 weave) into the base coat and apply another 20 mil coat over the scrim.

UL 181 B-M FLEXIBLE AIR DUCT/METAL DUCT: For use with UL 181 Flexible Air Ducts. Using a brush, cartridge gun or putty knife, apply duct sealant at a minimum thickness of 20 mils to male section of spiral duct or to both fittings in rectangular duct. Effect joint while sealant is wet (within approximately 15 minutes) - and secure with sheet metal screw applied as close to joint head as possible (approx 1/2" or less). Apply duct sealant to outside of assembly with 3" band of sealant. Allow it to set (approx. 48-72 hours) before pressure testing them for leaks.

FOR BEST RESULTS:

- Apply in temperatures between 40°F (& rising) & 110°F.
- Store between 35°F & 110°F, in original container.
- Do not attempt to thin. Prior to pressure testing allow 24 to 72 hours dry time depending on temperature and humidity

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: Cancer Risk From Ethyl Acrylate, Titanium Dioxide, Quartz Exposure - www.P65Warnings.ca.gov