



Red Devil



LEED® Compliant



WATER BASED DUCT SEALANT



DESCRIPTION

F-Seal 181™ is specially formulated fiber reinforced water based duct sealant for indoor/outdoor use. Suitable for pressure sealing all types of HVAC duct systems including metal, fiberglass ductboard and flexduct.

KEY FEATURES

- Indoor/Outdoor Use
- Fast Dry Time
- Exceeds all SMACNA Pressure and Sealing Classes
- Mold and Mildew Resistant
- UL Listed, 181 A-M & 181 B-M
- Seals High, Medium and Low Pressure HVAC Duct Systems
- Contributes to LEED EQ Credit 4.1

COLOR GRAY OR WHITE

PACKAGING

- 10.1 oz. cartridge **0846DX, 0846DW**, 28 oz. cartridge **0845DX, 0845DW**, 1 gallon pails **0841DX, 0841DW**, 2 gallon pails **0847DX, 0847DW** & 5 gallon pails **0848DX, 0848DW**

CLEAN UP

Water & Mild Soap

PHYSICAL/ PERFORMANCE PROPERTY	TEST METHOD	TYPICAL RESULT
Weight Per Gallon	Gardner Cup	12 lbs/gal +/- .5
VOC	Calculated	<1.5% by wt., <25 g/L
Total Non Volatile % Solids (Weight)	Computrac Analyzer	70% +/- 2%
Consistency/Appearance	Visual Observation	Textured viscous
Freeze/Thaw Stability	ASTM C-731	Passes 5 cycles
Shelf Life	ASTM D2377	Minimum 18 months @ 72F
Tack Free Time	Test Lab	< 1 hr
Storage Conditions	Test Lab	35F to 110F
Application Temperature	Lab Results	40F to 110F
Service Temperature	Test Lab	-40F to 200F
Pressure Rating	Test Lab	>12 w.g
Shore A Hardness	Lab Results	>20
Class 1 Smoke and Flame Rating	Applied to Reinforced Cement Board UL723, ASTM E-84	Smoke Developed 0 Flame Spread 0
Slump Test	ASTM D-2202	Pass



LISTED 4CZ3
181A-M
 For use with UL Listed rigid fiberglass air ducts or connectors.
LISTED 181B-M
 For use with UL Listed flexible air ducts or connectors.



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 hrs
- Not recommended for below grade applications

APPLICATION INSTRUCTIONS

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 UL181 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 screws applied as close to joint head as possible (approx. 1/2" or less). Apply duct sealant to outside of assembly with a 3" band of sealant, thoroughly covering joint head and sheet metal screws. Allow it to set (approx. 48-72 hours) before pressure testing system for leaks.

SURFACE PREPARATION

Surface must be clean, dry & free from dirt, dust, grease, oil, mildew, wax & old caulking. Seal all joints seams and penetrations in the duct work to ensure an airtight system. It will dry to touch in one (1) hour. Do not apply 5 hours before rain and freezing temperatures.

FOR BEST RESULTS

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

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 information)

WARNING: This product contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. Non-white colors may contain carbon black in color dispersions.

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SEE SDS FOR ADDITIONAL DATA / INFORMATION