



Red Devil



LEED® Compliant

WATER BASED DUCT SEALANT



DESCRIPTION

FJ 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.

PART #	PACKAGE	COLOR	UPC
0841DW	1 Gallon Pail	White	075339006580
0841DX	1 Gallon Pail	Gray	075339003466
0845DW	28 oz (858 ml) Cartridge	White	075339006566
0845DX	28 oz (858 ml) Cartridge	Gray	075339006542
0846DW	10.1 oz (300 ml) Cartridge	White	075339006528
0846DX	10.1 oz (300 ml) Cartridge	Gray	075339003480
0847DW	2 Gallon Pail	White	075339006658
0847DX	2 Gallon Pail	Gray	075339006603
0848DW	5 Gallon Pail	White	075339006689
0848DX	5 Gallon Pail	Gray	075339003473

KEY FEATURES

- Indoor/Outdoor Use
- Fast Dry Time
- Exceeds all SMACNA Pressure and Sealing Classes
- UL Listed, 181 AJ M & 181 BJ M
- Meets Requirements of NFPA 90A, 90B and 225, UL723/ASTM E84
- Seals High, Medium and Low Pressure HVAC Duct Systems
- Contributes to LEED EQ Credit 4.1
- UV Resistant, Paintable after Full Cure

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
Flammability - Surface Burning	UL723/ASTM E84 NFPA 90A & 90B	Smoke Developed 0 Flame Spread 0
Slump Test	ASTM D-2202	Pass



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 safety information)

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

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TDS Number: 0841DX, 0841DW, 0845DX, 0845DW, 0846DX, 0846DW, 0847DX, 0847DW, 0848DX, 0848DW

Date of Issue: July 26, 2022 SEE SDS FOR ADDITIONAL DATA / INFORMATION