

# AIRSEAL<sup>®</sup> 22

## WATER BASED DUCT SEALANT



### FEATURES

- LEED EQ Credit 4.1
- Cures to a tough, flexible film
- Formulated Indoor and Outdoor use
- Seals High Pressure HVAC Duct Systems
- Exceeds all SMACNA Pressure and Sealing Classes.
- Has excellent mold and mildew resistance.

TECHNICAL SPECIFICATIONS	
Packaging	(24) 10.5 oz. tubes, (12) 29 oz. tubes, (4) 1 gal./case, 2 gal. pail, 5 gal. pail, 55/53 gal. drum
Shelf Life	18 months in unopened containers
Pressure Rating	Maximum 12" water column pressure
Coverage Rate	Approximately 80 sq. feet per gallon @ 20 mils. wet film thickness.
Solids Content	70%± 2% by weight
Weight per gal.	10.8 lbs.± 0.3 lbs.
Color	Gray, White
Temperature Limits	Storage and application... 35°F to 115°F Service..... -40°F to 200°F <b>Protect From Freezing.</b> If frozen, completely thaw prior to use. Passes 5 Freeze-Thaw Cycles.
Class 1 Smoke and Flame Rating	UNDERWRITERS LABORATORIES INC. CLASSIFIED CAULKING AND SEALANTS Applied to organic, Reinforced Cement Board. Flame Spread .....5 Smoke Developed .....0 10YF Tested in accordance with UL 723, and ASTM E-84. Satisfies the requirements of NFPA 90A, 90B, and 225.
<b>LEED COMPLIANT</b> SCAQMD Rule 1168	
Clean Up	Use warm soap and water

### RECOMMENDED USES

**AIRSEAL 22** is a UL 181 A-M & B-M listed fast drying water based duct sealant with excellent adhesion, formulated to pressure seal all types of HVAC duct systems, including sheet metal, fiberglass duct board and flexible duct.

### APPLICATION INSTRUCTIONS

Apply to clean, dry surfaces, free from oils, dirt, and foreign matter. Spread at a minimum 20 mils. wet film thickness with a brush, or pump into well fitted joints. Seal all joints, seams, and penetrations in the ductwork to ensure an airtight system. Dries to touch in one (1) hour. Prior to pressure testing, allow 12 - 24 hours dry time depending on temperature, humidity and application thickness. Do not apply on outdoor surfaces within 5 hours of possibility of rain or freezing temperatures.

### UL 181 A-M & B-M APPLICATION INSTRUCTIONS:

Materials must be applied in strict accordance with the following instructions in order to meet the requirements of UL 181. Allow 48 hours dry time minimum for UL 181 applications.

### UL 181 A-M DUCT BOARD:

1. Fold grooved duct board to form the module, making certain that both ends are flush and the shiplaps are properly sealed.
2. Staple the duct board flap on 2" centers using outward clinching staples.
3. Spread mastic base coat onto the surface at a minimum rate of 10 mils. wet film thickness, 3" wide over stapled joint.
4. Embed fiberglass scrim tape (5 mils thick, 20 x 10 plain weave) into base coat.
5. Finish with a top coat of mastic, applied at 10 mils. minimum wet film thickness.

### UL 181 B-M FLEXIBLE DUCT / METAL DUCT:

1. Coat around the collar fitting with mastic at 20 mils. wet film thickness, 3" wide.
2. Pull back jacket and insulation from the inner core. Slide 2" of the inner core over the mastic and collar. Secure with a mechanical fastener.
3. Pull the jacket and insulation back over core. Secure jacket in accordance with Flexible duct installation instructions.

Polymer Adhesives Sealant Systems Inc., is proud to be affiliated with the following organizations:



**LISTED**  
UL 181A-M  
UL 181B-M  
10YF



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