

AIRSEAL® 33

FIBER REINFORCED WATER BASED DUCT SEALANT MASTIC

**LEED
COMPLIANT**



FEATURES

- LEED EQ Credit 4.1
- Fast Dry Time
- High Solids Content
- 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 10" water column pressure
Coverage Rate	Approximately 80 sq. feet per gallon @ 20 mils. wet film thickness.
Solids Content	70% ± 2.5% by weight
Weight per gal.	11 lbs. ± 0.3 lbs.
Color	White, Gray
Temperature Limits	Storage and application... 35°F to 110°F Service..... -40°F to 200°F Protect From Freezing. 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 Spread5 Smoke Developed0 10YF Tested in accordance with UL 723, and ASTM E-84. Satisfies the requirements of NFPA 90A, 90B, and 225.
LEED COMPLIANT SCAQMD Rule 1168	
Clean Up	Use warm soap and water

RECOMMENDED USES

AIRSEAL 33 is a UL 181 A-M & B-M listed fiber reinforced water based duct sealant used to pressure seal all types of HVAC duct systems, including metal, fiberglass ductboard and flexduct.

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 to 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 @ 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



POLYMER ADHESIVES

SEALANT SYSTEMS, INC.

www.polymeradhesives.com