

Contractor  
Approved  
Duct Sealant

**CADS**



# FIBER REINFORCED WATER BASED DUCT SEALANT



## FEATURES

- *LEED EQ Credit 4.1*
- *Use to seal all types of HVAC systems*
- *For indoor and outdoor use*
- *Fiber reinforced for additional strength*
- *Rated for high velocity HVAC systems*
- *Excellent mold and mildew resistance*

## TECHNICAL SPECIFICATIONS

Packaging	4 - 1 gal./case, 2 gal. pail, 5 gal. pail
Shelf Life	18 months in unopened containers
Coverage Rate	70 - 80 sq.'/gal. @ 20 -25 mils. wet film thickness
Solids Content	67%± 0.3% by weight
Weight per gal.	10.8 lbs.± 0.3 lbs.
Color	White, Gray
Pressure Rating	Maximum 10" water column pressure rating
Temperature Limits	Storage and application... 35°F to 115°F Service..... -40°F to 200°F Protect from freezing. If frozen, thaw completely 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.....10 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	

## RECOMMENDED USES

CADS is 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 metal surfaces free from oils, dirt, and foreign matter. Spread at a minimum 20 mils. wet film thickness with a brush, caulking gun, or pump into well fitted joints. Seal all joints, seams, and penetrations in the ductwork to ensure an airtight system. When connections do not fit properly, bridge gaps greater than 1/2" by embedding fiberglass scrim tape into a tack coat of CADS, followed by a finish coat. (Total thickness of the scrim tape and CADS finish coat should be a minimum 25 mils. wet film thickness.) **Dries to touch in one (1) hour.** Prior to pressure testing, allow 24 to 48 hours dry time depending on temperature, humidity, and application thickness. Allow 48 hours dry time for UL 181 A-M and B-M applications. 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.

## CLEAN UP

Use warm water and soap.

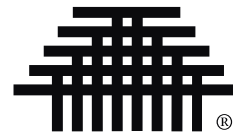
## PAINTING

Allow Full cure. Use only latex or epoxy paint.

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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