TECHNICAL bulletin

DP 1015

WATER BASED DUCT SEALANT

A smooth, water based, UL Listed, high pressure/high velocity duct sealant for commercial and residential supply and return air duct use.

Recommended Uses:

DP 1015 is recommended for sealing joints, seams, and duct wall penetrations on metal air duct.
DP 1015 is recommended for sealing connections on flexible duct or fiberglass duct board.
DP 1015 is recommended up to 15 inches water column pressure.

Not compatible with and should not be used on CPVC sprinkler piping.

Features and Benefits:

- **LEED V4** Qualified
- GREENGUARD Gold Certified
- UL Listed
- Low VOC
- Meets Requirements of NFPA 90A & 90B, ASTM E-84, and UL-723
- Meets CDPH Emission Requirements
- Excellent Water and U.V. Resistance
- Meets FDA, USDA, and EPA Standards
- Excellent Workability
- Crack and Peel Resistant
- Mold and Mildew Resistant
- Excellent Dry Adhesion
- Indoor and Outdoor Usage
- Sag Resistant
- Paintable with latex or epoxy paints after cured

Directions For Use:

Uses: DP 1015 may be used to seal joints on metal, flexible, and fiberglass duct board supply and return air duct.
Surface Preparation: Surfaces should be clean, dry and free of dirt, oil and any foreign matter.
For sheet metal duct: DP 1015 should be applied to all connections according to SMACNA standards. Brush, caulk, pump, or trowel DP 1015 on all duct seams. Apply to TDC/TDF and applied flange corners. Apply to all penetrations in the duct wall including sheet metal screw heads and tie rods. When caulking DP 1015, sealant should be brushed into seams.
For round and oval spiral duct: Apply DP 1015 to the male section of the fitting or to the inside slip duct coupling. Secure with sheet metal screws per manufacturers requirements. Apply a 2-inch band of DP 1015 around outside of joint, covering all screws.
For rigid fiberglass air duct: Assemble sections according to the manufacturers recommendations. Apply a 3-inch by 20 mil band of DP 1015 to the joint. Embed a fiberglass scrim (5 mil, 20 x 10 plain weave, 1.75 oz per sq. yd.) in the sealant and apply another 20 mil coat of DP 1015 over the scrim.
For flexible duct: Install flexible duct per manufacturers instructions using drawbands or mechanical fasteners. Apply DP 1015 at a rate of 40-80 sq. ft. per gallon (20-40 mils) between the end of the duct and the collar in a 2-inch band. Use DP 1015 to seal all connections of collar to metal duct or rigid fiberglass ductboard.
Pressure Testing: Allow at least 48 hours before pressure testing. Since temperature and humidity conditions may vary, longer cure times may be required for specific installations.
DO NOT APPLY WHEN RAIN OR FREEZING TEMPERATURES WILL OCCUR WITHIN 36 HOURS. DO NOT THIN.

Technical Data:

Color: Gray
Base: Water
Chemical Family: Synthetic Latex
Solids Content: 66 ± 2%
Viscosity: Approx. 300,000 - 400,000 cps
Shore A Hardness: Greater than 20
Application Temperature: 40°F - 110°F
Storage Temperature: 40°F - 110°F. Do not freeze. If product freezes, allow to return to room temperature before applying.
Freeze/Thaw Stability: 5 cycles no deterioration (DPTM-20)
Service Temperature: -25°F - 200°F
Flammability: Non-flammable wet or dry
Flash Point: No flash to boiling
Shelf Life: 2 Years (unopened containers)
Cure Time: 24-72 hours depending on temperature, humidity, and application
Coverage: Dependent on application thickness, 40-80 sq. ft. at 20-40 wet mils
Clean Up: Use warm water and soap
Packaging: 1/12 gallon tubes, 1 gallon pails, 5 gallon pails, 54 gallon drums
Pressure Classes: Meets all SMACNA pressure classes
Seal Classes: Meets all SMACNA seal classes
VOC: ≤ 3 g/l (SCAQMD Rule #1168)

ASTM E-84 SURFACE BURNING CHARACTERISTICS
DP 1015 Duct Sealant applied to inorganic reinforced cement board
Flame Spread: 0 Smoke Developed: 0
Test applied in two 2" wide strips 8" on center (coverage 16% of the exposed test sample area) at a spread rate of 250 sq. ft. per gal.
Flash point of finished sealant, closed cup. No flash to boiling.

UNDERWRITERS LABORATORIES INC.
LISTED ADHESIVES
16UK

UL 181 B-M
For use with UL Listed flexible air ducts or connectors

LISTED

DESIGN POLYMERICS
A **Meridian** Brand

5655 E. North Belt Road, Las Vegas, NV 89115
Toll Free 800.641.0808 | **Phone 714.432.0600**
Fax 714.432.0660 | **www.designpoly.com**

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