DP 1015

WATER BASED DUCT SEALANT

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

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.

Features and Benefits:

- **LEED** Qualified
- UL Listed
- Excellent Workability
- Crack and Peel Resistant
- Mold and Mildew Resistant
- Excellent Dry Adhesion
- Indoor and Outdoor Usage
- Minimal Shrinkage
- Sag Resistant
- Excellent Water and U.V. Resistance
- Meets FDA, USDA, and EPA Standards
- Meets Requirements of NFPA 90A & 90B, ASTM E-84, and UL-723
- 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 80-90 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

Application Temperature: 40°F - 110°F

Storage Temperature: 40°F - 110°F

Freeze/Thaw Stability: Do not allow to freeze

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, 80-90 sq. ft. at 20-40 wet mils

Clean Up: Use warm water and soap

Packaging: 1/12 gallon tubes, 1 gallon pails, 2 gallon pails, 5 gallon pails, 54 gallon drums

Pressure Classes: Meets all SMACNA pressure classes

Seal Classes: Meets all SMACNA seal classes

VOC: <7 g/l

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

UL LISTED

DESIGN POLYMERICS

11609 Martens River Circle
Fountain Valley, CA 92708
Toll Free 800.641.0808
Phone 714.432.0600
Fax 714.432.0660
www.designpoly.com

Revised 12-10-10