DUCTDIRECT DD1000

# Product Data

# WATER BASED DUCT SEALANT

## A smooth, water based, premium quality, UL 181 Listed, high pressure/high velocity duct sealant for commercial and residential supply, return, and outside air duct use.

### Recommended Uses:

**DD 1000** is recommended for sealing joints, seams, and duct wall penetrations.
**DD 1000** is recommended for sealing connections on flexible duct.
**DD 1000** is recommended up to 15 inches water column pressure.
**DD 1000** is recommended for repairing and encapsulating fiberglass duct liner.

LEED Qualified

### 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:** Duct Direct water-based duct sealer is for use with supply, return, and outside air duct with pressures up to 15 inches water gauge. DD 1000 is recommended for use with metal, fiberglass duct board, and flexible air ducts. DD 1000 should be used when projects require LEED Certification. DD 1000 should be used when any SMACNA HVAC Duct Construction Standard seal classes and pressure classes are required.

**Surface Preparation:** Surfaces should be clean, dry and free of dirt, oil and any foreign matter.

**For sheet metal duct:** Apply according to SMACNA and manufacturers' standards. Apply DD 1000 to all seams, joints, and penetrations as required. Apply sealant to the inside slip coupling/collar of round and oval duct. A 2 inch band of sealer should be applied over the assembled joint. Apply DD 1000 to the corners of TDC and TDF duct and applied flange duct as required.

**For rigid fiberglass air duct:** Assemble sections according to the manufacturers' recommendations. Apply a 3 inch by 20 mil band of DD 1000 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 DD 1000 over the scrim.

**For flexible duct:** Install flexible duct per manufacturers' instructions using drawbands or mechanical fasteners. Apply DD 1000 between the end of the duct and the collar in a 2 inch band. Use DD 1000 to seal all connections of collar to metal duct or rigid fiberglass ductboard. Allow at least 48 hours before pressure testing. Temperature and humidity conditions affect curing times.

**Do not apply when rain or freezing temperatures will occur within 48 hours. Do not thin.**

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### Technical Data:

**Color:** Gray
**Base:** Water
**Chemical Family:** Synthetic Latex
**Solids Content:** 68 ± 2%
**Viscosity:** Approx. 300,000 - 400,000 cps
**Shore A Hardness:** Greater than 20
**Application Temperature:** 40°F - 110°F
**Storage:** 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, 80-100 sq. ft. at 20-30 wet mils
**Clean Up:** Use warm water and soap
**Packaging:** 1 gallon pails
**Pressure Classes:** Meets all SMACNA pressure classes
**Seal Classes:** Meets all SMACNA seal classes
**VOC:** < 30 g/l

ASTM E-84 SURFACE BURNING CHARACTERISTICS
DD 1000 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

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