

D U C T M A T E

FIBER seal[®]



**UNION
MADE IN THE
USA**

Premium Grade Water Based High Velocity Duct Sealant

Structurally Reinforced for Durability

- Indoor and Outdoor Use
- For Applications Up to 15" WG
- Highly Crack Resistant
- UL 181 B-M Listed
- UL 723 Classified
- LEED[®] Compliant, Meets All Applicable SCAQMD Standards
- Remains Flexible

 **DUCTMATE[®]**
Industries, Inc.

DESCRIPTION

FIBERseal is a premium water based high-velocity duct sealant.

BASIC USE

To seal metal joints against air leaks in high pressure duct systems up to 15" W.G.

SPECIAL CHARACTERISTICS

- Indoor/outdoor grade
- For applications up to 15" WG
- Low brush drag and spreadability
- Permanently seals metal duct systems
- Highly crack resistant
- Remains flexible
- Excellent UV, flexibility, mold resistant, and water resistant properties
- Paintable with latex based paint
- Will not drip or sag
- Mild odor
- UL 181B-M Listed
- UL 723 Classified
- LEED® Compliant, meets all applicable SCAQMD standards
- Conforms to requirements of NFPA 90A and 90B
- Manufactured by S.M.W.I.A. Local 12

DIRECTIONS FOR USE

Surface Preparation: For good brushability, store at room temperature at least 24 hours before applying. Surfaces should be clean, dry and free of any dirt, oil, grease, water or foreign matter.

Application: (DO NOT THIN) Do not apply when rain or freezing temperatures will occur within 36 hours.

When Used In Conjunction With Sheet Metal: Apply by brush, hand, trowel or spray. FIBERseal should be applied to duct connections according to all applicable SMACNA standards. Apply to the inside of female fittings and outside of male fittings. Assemble the joint.

Brush sealant over the assembled joint. Thoroughly cover joint and screws with a 2" to 3" wide band. Assembly should cure for 24-72 hours before pressure testing the system. Since field temperature/ humidity conditions may vary, longer set times may be required for specific installations. Apply at a rate of 50 sq. ft. per gallon (1/32" thick).

When Used in Conjunction With UL 181 Listed Flexible Air Ducts: Apply by brush a 1/16" (25 sq.ft. per gallon) coating and allow to dry a minimum of 24-72 hours. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations. Use with mechanical fasteners per Air Duct installation instructions.

Clean Up: Use warm, soapy water to clean up sealant while it is still wet.

When Used In Conjunction With Duct Cover: Allow the sealant to cure fully before encapsulating duct ends with ProGuard, or any duct cover products. You may set the duct upright on a palate and encapsulate just the top, allowing air to flow through the bottom until the sealant has cured.

LIMITED PRODUCT WARRANTY

Ductmate warrants that FIBERseal when properly installed and maintained, will be free from defects in material and workmanship, and will comply with all written specifications made by Ductmate at the time of sale. Ductmate's warranty shall run for a period of one year from the date of manufacture.

Warranty Limitation:

The warranty stated above is in lieu of all other warranties, express or implied, including but not limited to the implied warranties of MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Although Ductmate may have suggested the product, or provided written or oral advice to the Purchaser, it is the Purchaser's responsibility to test and determine the suitability of FIBERseal for the intended use and purpose, and Purchaser and/or its customer assumes all risk and liability whatsoever regarding such suitability.

Limitation of Liability:

In the event of a breach of the above warranty, Ductmate's sole obligation, and Purchaser's sole and exclusive remedy, shall be, at Ductmate's option, repair or replacement of any defective products, or refund of an applicable portion of the purchase price. Ductmate shall have no liability for costs of removal or reinstallation of the product. The Purchaser agrees that no other remedy, including but not limited to loss of profits, loss sales, injury to person or property, or any other special, incidental or consequential damages, shall be available to the Purchaser for any claim arising out of this Agreement, regardless of whether such claim is made in contract or in tort, including strict liability in tort. In no event will Ductmate be obligated to pay damages to the Purchaser in any amount exceeding the purchase price that the Purchaser paid to Ductmate for the allegedly defective product.

TECHNICAL INFORMATION

| | |
|---|--|
| BASE: | Engineered Polymer Emulsion with fiber reinforcement |
| COLOR: | Gray |
| TYPE: | Water Base |
| DENSITY: | 11.2 +/- .3 lbs per gallon |
| SOLID CONTENTS: | 68% +/- 3% |
| VISCOSITY: | 350,000 ±50,000 c.p.s. |
| VOC CONTENT: EPA Method 24 | 1.3 g/L |
| TVOC EMISSIONS: CDPH Standard Method v1.1 | Pass |
| APPLICATION TEMPERATURE: | 35°F to 110°F |
| SERVICE TEMPERATURE: | 0°F to 220°F |
| STORAGE TEMPERATURE: | 35°F to 110°F |
| DRY TO TOUCH: | 1 hour (approximate) |
| CURE TIME: | 24 to 72 hours + Depending on humidity, application, and temperature |
| FLASH POINT: | No flash to boiling |
| FLEXIBILITY: ASTM D522 (1/8" Mandrel Bend) | Pass |
| MOLD RESISTANCE: UL 181B Mold & Humidity Test | Pass |
| FREEZE THAW STABILITY: UL 181B | 5 cycles |
| ADHESION STRENGTH: ASTM C794 | Bright Annealed Stainless Steel - 9.33 PLI |
| SAG/SLUMP: ASTM D2202 | 0 |
| COVERAGE: | 25 sq. ft./gal. at 1/16" 50 sq. ft./gal. at 1/32" |
| ODOR: | Mild (wet) None (dry) |
| SHELF LIFE: | 1 year (unopened container) |
| CURED SEALANT: | Tough and permanently flexible |
| PACKAGING: | 1/12 gallon tubes (25 tubes/case) 1 gallon pail (4 pails/case) 5 gallon pail 54 gallon drum |

Caulking and Sealants
Control No.
SURFACE BURNING CHARACTERISTICS
FIBERseal
USC - Classification
Applied to Inorganic Reinforced Cement Board +
FHC 25/50

± Tested as applied in two 2 in. wide strips spaced 8 in. on center (covering 22.2% of the exposed test sample area) at a coverage rate of 25 ft²/Gallon.

CNC - Classification
Applied to Inorganic Reinforced Cement Board +
FHC 25/50

± Tested as applied in two 50 mm wide strips spaced 200 mm on center (covering 22% of the exposed test sample area) at a coverage rate of 0.61 to 0.73 m²/L.

The FHC 25/50 "Fire Hazard Classification" indicates that the labeled material has a flame spread of 25 or less and a smoke developed of 50 or less as tested per UL723 or equivalent.



KEEP OUT OF REACH OF CHILDREN. Consult SDS (Safety Data Sheet) Before Using



Charleroi, PA
210 Fifth Street
Charleroi, PA 15022
724-258-0500

Lodi, CA
180 S. Cluff Avenue
Lodi, CA 95240-9141
209-333-4680

Additional Manufacturing and Warehousing in
Monongahela, PA and Tulsa, OK

1-800-245-3188 • www.ductmate.com

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