

D U C T M A T E

EnviroSeal

Water-Based
Duct Sealant



**UNION
MADE IN THE
USA**

Premium Residential Grade Water Based Duct Sealant

UL Listed 181 B - M and 181 A - M

- Indoor/outdoor grade
- For applications up to 10" W.G.
- Low brush drag & spreadability
- Permanently seals metal duct systems and fiberglass ductboard
- Remains flexible
- Excellent flexibility, mold resistant, and water resistant
- Paintable with latex based paint
- Mild odor
- UL 181B-M & UL 181A-M Listed / UL 723 Classified
- LEED® Compliant - Meets all applicable SCAQMD and CDPH standards
- Conforms to requirements of NFPA 90A & 90B
- Manufactured by SMART Local 12



DUCTMATE®
Industries, Inc.

DESCRIPTION

ENVIROseal is a water-based fiber reinforced, 181 A-M and 181 B-M Listed duct sealant, designed for sealing joints and seams of sheet metal air ducts and UL listed fiberglass or flexible ducts and connectors.

SPECIAL CHARACTERISTICS

- Indoor/outdoor grade
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- Low brush drag & spreadability
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- Paintable with latex based paint
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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. For best results store at room temperature at least 24 hours before applying. Surfaces should be clean, dry and free of any dirt, oil, grease, water or other foreign matter. Do not apply when rain or freezing temperatures will occur within 36 hours.

When Used in Conjunction with Metal Air Ducts: Apply to duct connections according to all applicable SMACNA standards. Apply to the inside of female fittings and the outside of male fittings at a rate of 50 sq. ft. per gallon (1/32" thick). Cure time is 72 hrs. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations.

When Used in Conjunction with UL-181 Listed Flexible Duct: Apply at a rate of 25 sq. ft. per gallon (1/16" thick). Cure time is 72 hrs. 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.

When used in conjunction with rigid fiberglass duct: Apply sealant in a 3 inch wide band by 13 mil thick. Embed a fiberglass scrim (5mil, 20 x 10 plain weave, 1.75 oz. per sq. yd.) in the sealant. Apply another 12 mil coat of sealant to a total wet sealant thickness of 25 mils plus the embedded scrim. Dry time is 72 hours. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations.

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

Storage: Store at temperatures between 35°F–110°F. **WARNING: DO NOT FREEZE** or apply at freezing conditions, If frozen completely thaw prior to use.

LIMITED PRODUCT WARRANTY

Ductmate warrants that ENVIROseal, 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 ENVIROseal 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.

BASIC USE

Designed for sealing metal joints, UL listed Ductboard & UL listed flexible duct against air leaks in duct systems up to 10" W.G.

TECHNICAL INFORMATION

CHEMICAL TYPE:	Synthetic Latex - Fiber reinforced
COLOR:	Beige
ODOR:	Mild (wet) None (dry)
VOG CONTENT: EPA Method 24	0 g/L
TVOC EMISSIONS: CDPH Standard Method v1.1	Private Office - Pass School Classroom - Pass
DENSITY:	11.2 ±0.3 lbs per gallon
SOLID CONTENTS:	62% ±1%
VISCOSITY:	250,000 ±25,000 c.p.s.
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 <i>Depending on humidity, application, and temperature</i>
FLEXIBILITY: ASTM D522 (1/8" Mandrel Bend)	Pass
MOLD RESISTANCE: UL 181B Mold & Humidity Test	Pass
FREEZE THAW STABILITY:	Pass
ADHESION STRENGTH: UL 181B Peel Adhesion	Pass - Exceeds Standards
COVERAGE:	25 sq. ft./gal. at 1/16" 50 sq. ft./gal. at 1/32"
SHELF LIFE:	1 year (unopened container)
PACKAGING:	1 gallon pail (4 pails/case)

Caulking and Sealants
SURFACE BURNING CHARACTERISTICS
ENVIROseal
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 m/L₂.

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.



LISTED
181 A-M
181 B-M
61MF



CAULKINGS AND SEALANTS
SURFACE BURNING CHARACTERISTICS
51RF

WARNING: DO NOT ALLOW TO FREEZE

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



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Charleroi, PA 15022
724-258-0500

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

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

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