

DUCTMATE®

Industries

A DMI COMPANY

DESCRIPTION

SOLVseal is a premium low voc LEED compliant/CDPH solvent based high-velocity duct sealant.

BASIC USE

To seal metal joints against air leaks in low, medium, and high pressure duct systems.

SPECIAL CHARACTERISTICS

- Low VOCs
- For applications up to 15" WG
- Permanently flexible
- Fast drying
- Exceptional workability
- Will not drip or sag
- High water resistance
- Low brush drag
- Excellent spreadability
- Minimal shrinkage
- Superior sealing strength
- Conforms to the requirements of NFPA 90A and 90B
- Mildew resistant
- USDA chemically acceptable

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 below 0°F (-17.8°C) or above 110°F (43.3°C) in both ambient and surface temperature.

When Used In Conjunction With Sheet Metal: Apply by brush, hand, trowel or spray. SOLVseal 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 24-48 hours before pressure testing the system. Since field temperature/humidity conditions may vary, longer set times may be required for specific installations.

When Used In Conjunction With Flexible Air Ducts: Apply by brush and allow to dry a minimum of 24-48 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

For Outdoor Application: Ductmate SOLVseal is suitable for outdoor applications. If SOLVseal is used in outdoor applications in which the finished application will be exposed to UV rays, Ductmate recommends applying a coat of exterior grade latex paint to the sealant to improve the longevity and performance of the application. Ductmate's technical staff is available to review project specifications and applications to ensure the best results for your specific project. Care should be taken not to apply the sealant in extreme heat and UV Conditions. Apply per the application instructions and all SMACNA guidelines and requirements.

Clean Up: Mineral spirits or Aromatic Naphtha may be used.

Storage: Store closed containers at room temperature with good cross ventilation.

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.

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.

TECHNICAL INFORMATION

CHEMICAL TYPE:	Synthetic Rubber
COLOR:	Gray
TYPE:	Solvent based
ODOR:	Strong (wet) Mild (dry)
VOC CONTENT: EPA Method 24	193 g/L
TVOC EMISSIONS: CDPH Standard Method v1.1	Private Office - Pass School Classroom - Pass
DENSITY:	9.1 ± 0.2 lbs per gallon
SOLID CONTENTS:	67% ± 2%
VISCOSITY:	150,000 ± 25,000 cP
APPLICATION TEMPERATURE:	0°F to 110°F
SERVICE TEMPERATURE:	-20°F to 190°F
STORAGE TEMPERATURE:	35°F to 110°F
DRY TO TOUCH:	<10 minutes (approximate)
CURE TIME:	24 to 48 hours <i>Depending on humidity, application, and temperature</i>
FLEXIBILITY: ASTM D522 (1/8" Mandrel Bend)	Pass
FREEZE THAW STABILITY:	Pass
FLASH POINT:	<73.4°F
SAG/SLUMP: ASTM D2202	Pass
COVERAGE:	Approximately 30 sq. ft. per gallon
SHELF LIFE:	Gallons: 1 year (unopened container) Tubes: 6 months
PACKAGING:	1/12 gallon tubes (24 tubes/case) 1 gallon pail (4 pails/case)

ASTM E84
Standard Test Method For Surface Burning Characteristics of Building Materials (ANSI 2.5, NFPA 255, UBC 8-1, UL 723)
Applied to Inorganic Reinforced Cement Board
Flame Spread: 5
Smoke Developed: 0
Tested as applied in two 3/8" (.95 cm) wide beads, 12" (.3m) OC at a coverage rate of 30 ft²/gal (.737 m²/L).

LIMITED PRODUCT WARRANTY

Ductmate warrants that SOLVseal™, 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 SOLVseal™, 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.

CAUTION FLAMMABLE MIXTURE RED LABEL

WARNING: DO NOT ALLOW TO FREEZE. KEEP OUT OF REACH OF CHILDREN. Consult The SDS Sheet Before Using Product



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