



MTS500

MightyTough Fiber Reinforced Duct Sealant

GRAY • WATER-BASED

- **LEED® COMPLIANT**
- **INDOOR & OUTDOOR**
- **UL LISTED 181B-M**

MTS500 is a UL Listed 181B-M, Industrial Grade, fast drying, non-flammable, high-quality, flexible water based duct sealant with excellent adhesion, specially formulated to meet SMACNA and local codes to pressure-seal all types of HVAC sheet metal air duct systems, and UL Listed flexible duct.



TECHNICAL DATA

Color.....	Gray
Consistency.....	Fibered creamy texture
Base.....	Synthetic latex
Solvent.....	Water
Weight Per Gallon.....	11.0 +/- .3 lbs. per gallon
Solids Content.....	64% +/- 3%
Viscosity.....	>300,000 c.p.s.
Shore A Hardness.....	>20
Time to Test.....	24 - 72 hours*
Service Temperature.....	-40° F to 220° F
Weather Resistance.....	Excellent
Mildew Resistance.....	Excellent
VOC.....	0 g/l EPA Method 24
TVOC Emissions.....	Pass, CDPH Standard Method v 1.1
Pressure Classes.....	For all SMACNA Pressure Classes up to 10 inches w.g.
Seal Classes.....	SMACNA A, B, C
Packaging.....	1 US Gal. pail,
Freeze/Thaw Stability.....	Passed 5 cycles

* May vary according to temperature and humidity

APPLICATION

Temperature.....	35° F to 110° F
Method.....	Brush, putty knife, caulk gun, pump
Preparation.....	Surface must be dry, dirt, oil and grease free.
Coverage Rate.....	Apply 3" band width at joints & fasteners to: <ul style="list-style-type: none"> • 1/16" thick (64-84 mils) at 19-25 sq.ft./gal for UL181 Listed Flexible Air Ducts • 1/32" thick at 50 sq.ft./gal for use with Sheet Metal Ducts
Clean-Up Wet.....	Soap and warm water
Clean-Up Dry.....	Solvent (use safe-handling practices.)

Surface must be clean and free of moisture, contamination and foreign matter. **Do not allow this product to freeze.** Apply when temperatures will not fall below freezing for at least 24 to 72 hours, depending on temperature and humidity. Do not apply this product where temperatures will exceed 220° F. Keep out of reach of children. Review SDS for complete safety information prior to use. DO NOT use where acidic or alkaline chemicals are present (i.e. lab fume hoods, vents, etc.)

For Industrial Professional Use Only.

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STORAGE

Temperature.....	40° F to 110° F. DO NOT FREEZE
Shelf Life.....	One year (unopened)
Flammability.....	Non-flammable



CAULKING AND SEALANTS	
4KW3	
SURFACE BURNING CHARACTERISTICS	
	C US
FLAME SPREAD.....	5 0
SMOKE DEVELOPED.....	0 0
Applied to Inorganic Reinforced Cement Board.	

Tested as applied in two 50mm (2 in.) wide strips 200mm (8 in.) on center.
(Coverage: 22.2% - 23% of the exposed test sample area)

SPECIAL CHARACTERISTICS

- UL 723 Classified
- Permanently Flexible
- Non-Flammable
- Exceptional Workability
- Will Not Drip or Sag
- Non-Cracking Formula
- Low Brush Drag & Spreadability
- Reduces Labor Cost
- Low Shrinkage
- Excellent Adhesion to Metal
- UL Listed 181B-M
- Mild Odor
- Indoor or Outdoor Use
- UV, Water & Mold Resistant
- Paintable - Latex or Epoxy
- Qualifies for LEED™ Credit EQ 4.1
- Conforms to Requirements of: NFPA 90A and 90B, CDPH v 1.1 FDA, USDA, EPA & SCAQMD Standards ASTM C731, ASTM 2202



1310 West Evans Avenue
Denver, CO 80223
 Toll Free: (800) 356-5350
 Fax: (303) 937-0903

herculesindustries.com