



## HT Mastic 500<sup>®</sup>

### DESCRIPTION

HT Mastic 500 is an asphalt based material formulated for spray, trowel or brush applications. This product is asbestos free.

### USES

HT Mastic 500 is an asphalt-based material formulated for application on internal steel casing surfaces of boilers, process furnaces, stacks, flues, behind mineral wool, castable or ceramic fiber linings. HT Mastic 500 protects the steel casing from moisture and deterioration from corrosive chemicals. This material may be used to seal bolted casing joints from air filtration or heat loss. HT Mastic 500 can be used at elevated temperatures up to 400° F with intermittent surges to 500° F. Do not apply HT Mastic 500 to hot surfaces - allow equipment to cool.

### APPLICATION

Steel surface shall be free of dust, loose rust or other deleterious material (Minimum SP2/Preferred SP6). Recommended application thickness is approximately 1/8" wet film. Material may be applied by air gun minimum 15:1 ratio. HT Mastic 500 usually dries within 24 hours, depending on thickness and humidity.

### STORAGE

If material is stored below application temperature, do not heat by any means. Move materials to storage area where application temperature can be achieved. Material is not subject to separation if exposed to freezing temperatures.

### CAUTION: COMBUSTIBLE

Keep away from heat and open flame (until cured). Avoid prolonged contact with skin. Keep container covered when not in use. Do not apply to hot surfaces.

### LIST OF MAJOR INGREDIENTS

Asphalt  
300/360 Naphtha

# HT Mastic 500<sup>®</sup>

## TYPICAL PROPERTIES AND PERFORMANCE

Flash Point, Pensky-Martens, closed tester, deg. F . . . . .	102
Lbs./gal. at 60° F, approximately . . . . .	8.5
Solids, by volume % . . . . .	63
Volatiles by volume % . . . . .	37
Application Temp . . . . .	40° F to 120° F
Coverage Approx. 1/8" Wet Film Thickness . . . . .	13 SF/Gallon
Dry to Touch, 1/8" film at 77° F . . . . .	4 hours
Dry firm, 1/8" film at 77° F . . . . .	24 hours
Film Shrinkage, % loss thickness . . . . .	35%
Shelf Life . . . . .	1 Year

## READ MSDS SHEET BEFORE USE

### MANUFACTURED FOR

MATRIX SOLUTIONS LLC  
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### LIMITED WARRANTY

Matrix Solutions LLC makes no warranty, either express or implied, as to the quality, merchantability or fitness for any particular purpose of any products referred to and except as hereafter stated, makes no guarantee of results or of satisfaction from reliance upon the information of recommendations set forth. The buyer's or user's exclusive remedy and Matrix Solutions LLC sole limit of liability from any losses resulting from the use of said product shall be for the purchase price of the product causing the loss.

## MASTIC SPRAY EQUIPMENT

HT Mastic 500 can be applied with a roller, brush, or spray gun. One spray gun option is the Graco 45:1 pump ([www.graco.com/us/en/products/coatings-and-foam/premier-34-1-45-1-and-74-1.html](http://www.graco.com/us/en/products/coatings-and-foam/premier-34-1-45-1-and-74-1.html)) with a ram & platen for pumping out of drums.

- This pump and lower assembly are stainless steel and has a "tuff stack" seal package for durability
- This pump and assembly will produce 4.6 gpm flow
- There are several part numbers that comprise this assemble, and can be ordered as a package (Package # GDD159)
- You may want to order an external runaway valve (Part # 224040) to protect this equipment when a drum runs empty
- Approximate cost for this setup is \$15,000

\*Mixing is always recommended prior to all mastic application.  
For HT Mastic 500 stored longer than 6 months, thorough mixing is required.  
Mix thoroughly to a creamy consistency.

55 gallon drum mixer: <http://www.indco.com/shop/print/DLG-4A>

5 gallon mixer: [http://www.lowes.com/pd\\_176765-51872-50616\\_0\\_?productId=3369308](http://www.lowes.com/pd_176765-51872-50616_0_?productId=3369308)

