



HT Mastic 500NF®

DESCRIPTION

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

USES

HT Mastic 500NF is an asphalt based water emulsion coating formulated for application on internal steel casing surfaces of boilers, process furnaces, stacks, flues, behind mineral wool, brick, castable or ceramic fiber linings. HT Mastic 500NF protects the internal vessel casing from deterioration from corrosive chemicals. This material may be used to seal bolted casing joints from gas leakage or heat loss. HT Mastic 500NF can be used at elevated temperatures up to 400 degrees F with intermittent surges to 500 degrees F. Do not apply HT Mastic 500NF to surfaces above 200 degrees F.

APPLICATION

Steel surface shall be free of dust, loose dirt or other deleterious material (Minimum SP2/Preferred SP6). Recommended total wet film thickness is 1/8" (125 mil). It is recommended that HT Mastic 500NF be applied in two 60 mill applications with a minimum 24 hour cure interval between coats. Forced air applied during cure time will also enhance overall full cure. HT Mastic 500NF is an air set product. Do not cure in open sunlight or apply forced air to product surface in excess of 90° F. HT Mastic 500NF typically dries for refractory application within 12-24 hours, depending on thickness, temperature and humidity. HT Mastic 500NF cleans with water.

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. DO NOT STORE HT Mastic 500NF AT OR BELOW FREEZING TEMPERATURES. Freezing will cause product to separate.

FLAMABILITY

HT Mastic 500NF is Class IIIB. HT Mastic 500NF can be transported as a non-hazardous material including air freight. There is low risk of flammability when HT Mastic 500NF is applied near a welding area.

LIST OF MAJOR INGREDIENTS

Asphalt
Water

HT Mastic 500NF[®]

TYPICAL PROPERTIES AND PERFORMANCE

Flash Point, degrees F	>450
Lbs./gal. , approximately.....	9.5
Solids, by volume %51
Volatiles by volume %49
Application Temp	40° F to 120° F
Coverage Approx. 1/8" Wet Film Thickness.....	13 SF/Gallon
Dry to Touch	4 hours
Dry firm.....	12-24 hours
Film Shrinkage, % loss thickness.....	49%

HT MASTIC 500NF, being water based, has many features that include:

- good corrosion protection at an attractive price point
- environmentally and worker friendly
- easy application
- extremely low VOC's
- no flash hazard from open flame or welding
- less expensive transportation due to non-hazardous classification

HT MASTIC 500NF is a blend of traditionally immiscible materials, such as oil and water, dispersed into a thick fibered paste using a proprietary clay suspension process.

It is important to properly handle and store any water based products. Please pay close attention to the following restrictions when considering purchasing HT Mastic 500NF:

- 9 Month Shelf Life from date of manufacture*
- Dry time to resist surface moisture - 24-48 hours
- Never expose material to freezing temperatures
- Store out of direct sunlight
- When warehousing, store in temperatures between 45° to 110° F.
- Do not break seal on drums until ready for application
- Do not apply in direct sunlight

*Mixing is always recommended prior to all mastic application. For HT Mastic 500NF 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



MASTIC SPRAY EQUIPMENT

HT Mastic 500NF 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 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

READ SDS SHEET BEFORE USE

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