



**& ASSOCIATES, INC.**

## **HTM-NS-450** **Heat Transfer Cement**



### **Description**

**HTM-NS-450** heat transfer cement is designed to significantly improve the heat transfer between tracers and process lines. Heat transfer cement thermally bonds steam and electric heat tracers to process pipes, valves, pumps and other equipment. **HTM-NS-450** fills the air cavities that normally exist between the heat tracer and process equipment with heat conductive, thermal mastic that efficiently transfers heat through conduction to the process equipment. By replacing the normal air gaps with the heat conductive cement, the heat transfer rates are improved by up to 10 times that of convective heat transfer.

### **Ratings**

Maximum Exposure Temperature: **450°F**  
Minimum Application Temperature: **15°F**  
Heat Transfer Coefficient: **20-40 BTU/Hr-Ft<sup>2</sup>F**  
Coverage: **1 Gallon = 6 ft.<sup>2</sup> (1/4" Thick), 12 ft.<sup>2</sup> (1/8" Thick)**

NOT Soluble in Water  
Shelf Life: **Indefinite**

**TAD & Associates, Inc.**  
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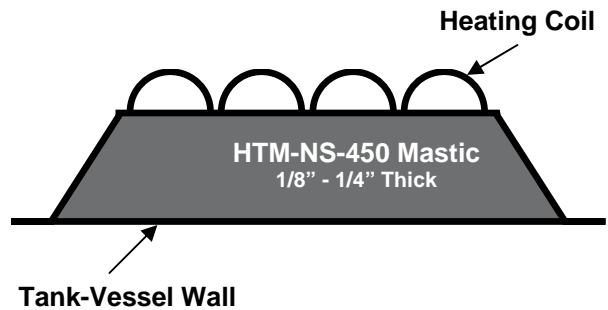
## **HTM-NS-450** **Heat Transfer Cement**

### Features

- Thermally bonds steam, fluid, and electric heat tracers to process pipes, vessels and equipment.
- With its high conductivity, significantly improves heat transfer between steam and fluid tracer tubes and process pipes; also plate-type steam, fluid and electric heating coils installed on storage and processing tanks.
- Provides an easy to install, cost effective alternative to jacketed piping and internal tracer systems.
- One tracer installed with **HTM-NS-450** will deliver the equivalent heat of up to four bare (no HTM) tracers. With the elimination of multiple tracers, the costs to install and maintain the tracing system is greatly reduced.
- Non-setting mastic remains pliable indefinitely and allows for easy disassembly of tracing systems.
- Requires no special curing.



**Spread evenly over coil surface area filling irregular voids**



**Thickness 1/4" - 1/8"**

**Note:** Material Safety Data Sheet (MSDS) available.

### Ordering Information

<b>HTM-NS-450-1</b>	One Gallon Container	12 Lbs
<b>HTM-NS-450-5</b>	Five Gallon Container	60 Lbs
<b>HTM-NS-450-Q</b>	Quart Size Container	3 Lbs
<b>HTM-NS-450-C</b>	0.10 Gallon Cartridge	1.2 Lbs

### Accessories

<b>HTM#2</b>	Channel for 1/4" Tracer (4' Length)
<b>HTM#4</b>	Channel for 1/2" Tracer (4 Ft. Length)
<b>HTM#7</b>	Channel for 3/4" Tracer (4 Ft. Length)
<b>HTM-SSB</b>	Stainless Steel Banding (100 Ft.)
<b>HTM-SSCR-1</b>	Stainless Crimp Seals for Banding

**TAD & Associates, Inc. P.O. Box 2170 Canyon Lake, TX 78133 800-755-7602**