



& ASSOCIATES, INC.

heat tracing specialists



Made in USA



## HTM-NS-450

### HEAT TRANSFER CEMENT

Accessories



#### 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. HTM-NS-450 is generally used for plate coil type steam tracing on vessels where expansion/contraction concerns are present and also allows for ease of disassembly.

#### Ratings

Maximum Exposure Temperature: **450°F**  
Minimum Application Temperature: **15°F**  
Heat Transfer Coefficient: **20-40 BTU/Hr-Ft<sup>2</sup>°F**  
Soluble in Water: **NO**  
Shelf Life: **Indefinite**

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### Ordering Information

Example Configuration	HTM-NS-450-1	
HTM-NS-450	Container Size	Weight
Heat Transfer Cement	1=One Gallon	12 Lbs.
	5=Five Gallon	60 Lbs.
	Q=Quart	3 Lbs.
	C=0.10 Gallon Cartridge	1.2 Lbs.

### Accessories

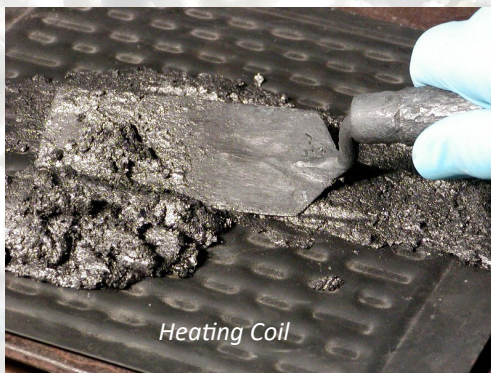
<b>CH-2</b>	Channel for 1/2" Tracer (4' section)
<b>CH-3</b>	Channel for 3/4" Tracer (4' section)
<b>CH-4</b>	Channel for 1/4" Tracer (4' section)
<b>SSB-1</b>	Stainless Steel 1/2" x 0.02" Banding (823'/Roll)
<b>SSCR-1</b>	Stainless Crimp Seals for Banding (1,000/Box)
<b>BT-1</b>	Banding Tool for Stainless Steel Banding

### Coverage Rates

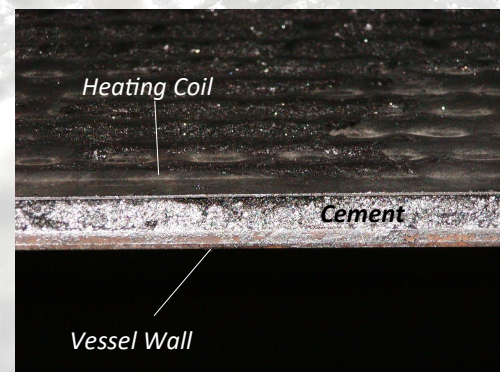
Application Method	Tracer Sizes				
	5/16" OD	3/8" OD	1/2" OD	3/4" OD	1" OD
<b>CH-2</b>	26'	28'	32'	NA	
<b>CH-3</b>	NA			19'	NA
<b>Hand Trowel</b>	52'	32'	28'	14'	9'
<b>Flat Surface</b>	1 Gallon = 6 ft. <sup>2</sup> (1/4" Thick), 12 ft. <sup>2</sup> (1/8" Thick)				

### 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.



Apply evenly over coil surface area filling irregular voids



Thickness 1/4" - 1/8"