



heat tracing specialists

106 Twin Terrace Way  
Spring Branch, Texas 78070-6288

Phone: 830-438-3808  
Email: sales@trans-heat.com  
Web: trans-heat.com

Romans 10:11 For whosoever believes on Him shall not be ashamed.

# HTM-45 HEAT TRANSFER CEMENT



HTM-45 heat transfer cement is designed to significantly improve the heat transfer between heating medias and process lines. Heat transfer cement thermally bonds steam and electric tracers to process pipes, valves, pumps and other appendages. HTM-45 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.

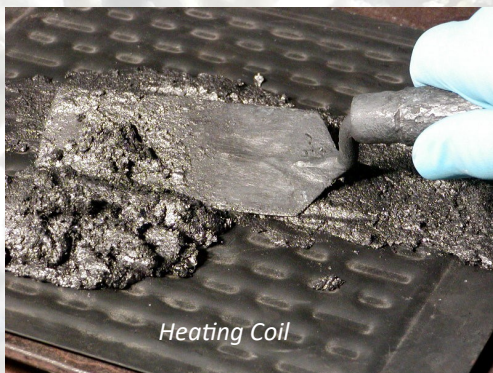
|  |                                 |
|--|---------------------------------|
| <b>Maximum Exposure Temperature</b>    | 450°F                           |
| <b>Minimum Application Temperature</b> | 32°F                            |
| <b>Heat Transfer Coefficient</b>       | 20-40 BTU/Hr-Ft <sup>2</sup> °F |
| <b>Water Soluble</b>                   | No                              |
| <b>Shelf Life</b>                      | Indefinite                      |

| Example Configuration | HTM-45-1                |          |
|-----------------------|-------------------------|----------|
| HTM-45                | Container Size          | Weight   |
| Heat Transfer Cement  | 1=One Gallon            | 13 Lbs.  |
|                       | 5=Five Gallon           | 65 Lbs.  |
|                       | Q=Quart                 | 3.5 Lbs. |
|                       | C=0.10 Gallon Cartridge | 1.3 Lbs. |

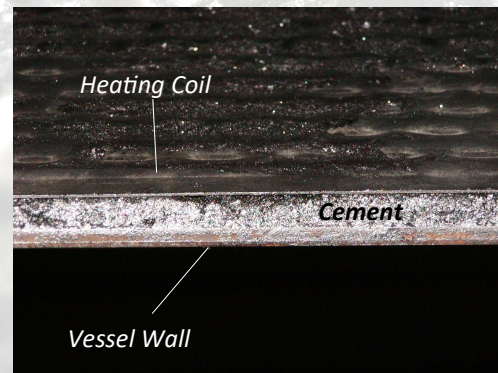
- Thermally bonds steam, fluid, and electric heat tracers to process pipes, vessels and equipment.
- With its high conductivity, significantly improves heat transfer between steam and fluid tracer tubes and process pipes; also plate-type steam, fluid and electric heating coils installed on storage and processing tanks.
- Provides an easy to install, cost effective alternative to jacketed piping and internal tracer systems.
- One tracer installed with HTM-45 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.

|               |  |
|---------------|--|
| <b>CH-25</b>  | Channel for 1/4" Tracer (4' section)             |
| <b>CH-50</b>  | Channel for 1/2" Tracer (4' section)             |
| <b>CH-75</b>  | Channel for 3/4" 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         |

| 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) |         |         |         |       |



Apply evenly over coil surface area filling irregular voids



Thickness 1/4" - 1/8"