



**THERMAL CONDUCTING CEMENTS  
FAMILY-OWNED & OPERATED SINCE 1954**

## TRACIT-300

### Heat Transfer Mastic, Hardening

#### APPLICATIONS

TRACIT-300 heat transfer compound (cement) hardens when cured. This product is recommended for use on steam or electric tracing (tubing) attached to process pipes. Also for valves, elbows, or anywhere there is a desire to maintain temperatures above or below ambient.

A single heat tracer utilizing TRACIT-300 is equal to three or more bare tracers. May also be used on plate-type coil applications exceeding the temperature limits of non-hardening compounds.



#### INSTALLATION

Gloves and safety glasses are recommended during installation, as this product is slightly alkaline. For tracing applications, apply a thin layer (1/8-1/4 inch thick) with a mortar trowel to completely cover tracer (not entire pipe). It is optimal to remove loose paint, rust, scale, grease, etc. with wire brush before applying TRACIT-300.

TRACIT-300 will cure on its own within 24 hours by air-drying. Curing may be expedited by turning the system on to low temperatures under 200°F. Otherwise, allow mastic to air-dry until hardened before heating above 212°F. Exceeding this temperature before curing has completed may cause TRACIT-300 to become porous and give poor heat transfer.

Protect TRACIT-300 from water penetration. TRACIT-300 should never be exposed to acid. May be removed using water or a putty knife.

Chemax **CC1 galvanized metal channels** are recommended for quicker installation and weather protection. These are sold in convenient 4-ft. sections. Also available in stainless steel.

#### SPECIFICATIONS

**Minimum Application Temperature:** 32°F

**Maximum Usage Temperature:** 750°F (400°C)

**Minimum Usage Temperature:** -300°F (-182°C)

**Heat Transfer Coefficient (Heat source-pipe wall):** 20-40 Btu/hr•°F•ft<sup>2</sup> (114-227 w/m<sup>2</sup>•°C)

**Bonding Strength:** 200 lbs. sq. in

**Water-Soluble:** Yes

**Net Weight:** 14 lbs. (6.4 kg.) per gallon

**Shelf Life:** 1 year (or longer) from date of manufacture in unopened can. As long as it is spreadable, Tracit-300 will perform to its full capacity. Keep container lid sealed tightly when not in use.

**Stock Container Sizes:** 5-gallon can, 1-gallon can, quart can, pint can, and 10 or 32 oz. caulk cartridge.

#### COVERAGE RATES

Based on 1/8 inch application thickness. Apply by hand trowel. Flat surface coverage rate: 12 sq. ft. per gallon.

Tracer Size	Process Line Size	Linear Feet/Gallon
3/8" O.D.	1 1/2" to flat	32
1/2" O.D.	1 1/2" to flat	28
3/4" O.D.	2" and larger	14
1" O.D.	3" to flat	9