

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

Remove lid and stir compound. If Tracit-300 has frozen, thaw before use.

Gloves and safety glasses are recommended during installation, as this product is slightly alkaline. Remove excess surface dirt, rust, etc. from contact surface before application for proper bonding.

For tracing applications, apply a thin layer (1/4 inch thick) with a mortar trowel to completely cover tracer tube. For non-tracing applications, consult system manufacturer for further instructions.

Curing: Heat for 12-24 hours at 180°F to 212°F (82°C-100°C), or air-dry above 32°F until Tracit-300 has fully hardened.

Protect TRACIT-300 from water penetration. TRACIT-300 should never be exposed to acid.

Tracit-300 may be removed using water.

Chemax CC1 galvanized metal channels are recommended for faster installation and weather protection. Sold in 4-ft. pieces.



#### 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:** 200-275 lbs/in<sup>2</sup>

**Water-Soluble:** Yes

**Nominal electrical resistivity :** 0.365 ohms-inch (0.927 ohms-cm)

**Shelf Life:** 1.5 years in unopened can.

**Stock Container Sizes:** 5-gallon can, 1-gallon can, quart can, pint can, 10 or 32 oz. caulk cartridge, 55-gallon drums.

#### 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