

TRACIT- 300

TRACIT

Heat Transfer Compound, Hardening



1. Properties, Application and Installation

TRACIT-300 heat transfer compound (cement) hardens when cured. This product is recommended for use on steam, hot oil, and glycol heat tracing (tubing) installations up to 400°C.

TRACIT-300 is used for high temperature process maintenance and freeze protection on straight run piping, valves, elbows, pumps, and flanges as well as Apparatus, Machinery and process Vessels.

This compound forms a highly conductive bond between the heater and process line.

A single heat trace line installed with TRACIT-300 is equal to 3+ bare tracers.

TRACIT-300 is also used with heating jackets, and with plate-type coil applications exceeding the temperature limits of our non-hardening compounds.

2. Technical Specifications

Minimum installation temperature	0°C
Maximum usage temperature	400°C
Minimum usage temperature	-182°C
Heat transfer coefficient, heat source (tracer) to pipe wall	114-227 W/m ² •°C
Bonding strength	1.4-1.9 N/m ²
Water-soluble	Yes
Harmful vapors	None
Specific weight	1,68 l/kg

Shelf life: 1 year (or longer) in unopened can, depending on ambient storage conditions. TRACIT-300 is serviceable as long as it is moist and adheres to contact surface.

3. Standard Container Sizes

6 kg and 30 kg
Caulk gun cartridges 300 ml und 950 ml on request

4. Coverage Rates

- 0.7 kg/m when applied to 1/2" O.D. tracing at abt. 3 mm thickness.
- 4.2 kg/m² on Flat surface (Plate Type Coil. Thermo plate, etc.)
- On average 3 kg/m² are required,
- i.e. One standard 30 kg container covers approximately 10 m²

5. Installation Instructions

A High temperature pipe tracing up to 400°C:

Using a pointing trowel, apply a thin layer of 3-6 mm between pipe line tracer and process pipe. TRACIT-300 should fill in the air voids between the tracer and pipe.

For maximum heat transfer, cover the top of the tracer, fully encasing it in the TRACIT-300. Galvanized or Stainless Steel Channels may be used for quicker installation, weather protection, and less wasted material. Please ask for sizes and recommendations

B High Temperature Heating of Apparatus, Machinery or Process Vessels with electric heat tracing

Apply TRACIT 300 in sufficient film thickness to embed the tracer and to secure efficient heat conduction over the machinery surface. Avoid air pockets.

It is optimal to remove loose paint, rust, scale, grease, etc. with wire brush before applying TRACIT.

Cure TRACIT-300 by air-drying above 0 °C until hardened. Curing may be expedited by heating at low temperatures under 90 °C for 4-10 hours.

If application thickness exceeds 25 mm, apply compound in 25 mm layers to reduce sagging. Allow TRACIT-300 to cure between layer applications.

No curing required when installing with Metal Channels or with plate-type coil applications.

Protect TRACIT-300 from moisture during installation. Do not expose to acid.

Store at room temperature Keep lid sealed tightly when not in use.

If TRACIT-300 has frozen, thaw before use. Use water or a putty knife for cleanup/removal.

Wear protective gloves and glasses when handling.

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