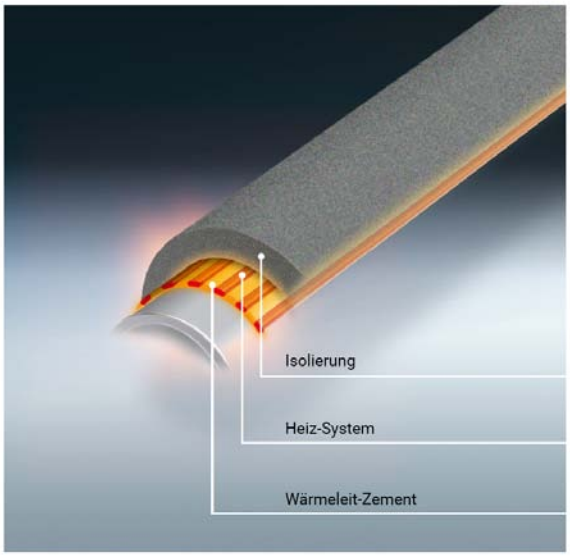
TRACIT- 600 A

High-Temperature Heat Transfer Compound, Hardening



1. Properties, Application and Installation

TRACIT-600A High Temperature Heat Transfer Compound (Cement) hardens when cured.
This product is recommended for use on steam or electric tracing (tubing) attached to process pipes where the temperature will exceed 400 °C. Also used for high-temperature applications such as ring heaters, strip heaters on tanks, electric platen heaters, and heat exchangers.

2. Technical Specifications

Minimum installation temperature	0°C
Maximum usage temperature	675°C
Minimum usage temperature	-182°C
Heat transfer coefficient, heat source (tracer) to pipe wall	114-227 W/m² °C
Bonding strength	1,4-1,9 N/m²
Water-soluble	Yes
Harmful vapours	None
Specific weight	1.68 l/kg

Shelf life: 1 year (or longer) in unopened can, depending on ambient storage conditions.
TRACIT-600A 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.
- 5 kg/m² on Flat surface (Plate Type Coil. Thermo plate, etc.)
- On average 4,5 kg/m² are required,
- i.e. One standard 30 kg container covers approximately 6 m²

5. Installation Instructions

A Very High temperature pipe tracing up to 675°C:

Using a pointing trowel, apply a thin layer of 3-6 mm between pipe line tracer and process pipe. TRACIT-600A 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-600A. 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-600A in sufficient film thickness to embed the tracer and to secure efficient heat conducting 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-600A 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-600A to cure between layer applications.
No curing required when installing with Metal Channels or with plate-type coil applications.

Protect TRACIT-600A from moisture during installation. Do not expose to acid.
Store at room temperature Keep lid sealed tightly when not in use. If TRACIT-600A 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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