

# TRACIT - 1100

## TRACIT

### Heat Transfer Compound, Non-Hardening



#### 1. Properties, Application and Installation

Non-hardening TRACIT-1100 heat transfer compound was designed for use on externally heated or cooled tanks and vessels, instrumentation. Also used on Aluminium surfaces. This product is applied to plate or clamp-on coils before installation on the tank TRACIT-1100 eliminates the air voids that exist between the coil and vessel wall, transferring heat far more efficiently by means of conduction.

***Plate-type coils installed with TRACIT-1100 experience up to a tenfold increase in heat transfer rates.***

***Direct metal-to-metal heat surface contact of TRACIT-1100 with dimpled heating panels because of its permanently elastic property and ideal clamp fit on a vessel surface.***

***TRACIT-1100 allows for easy dismantling of heating panels for inspection and/or repair***

TRACIT-1100 is non-setting and can be easily removed from installations.

This mastic maintains excellent surface contact during expansion and contraction cycles.

TRACIT-1100 is waterproof and will act as a corrosion barrier.

For drum pumping applications the lower viscosity TRACIT-1100A is available

## 2. Technical Specifications

Minimum application temperature	15°C
Maximum usage temperature	232°C
Minimum usage temperature	-80°C
Heat transfer coefficient, $U_t$ , heat source to vessel wall	114-227 W/m <sup>2</sup> •°C
Water-soluble	No
Curing	None required.
Harmful vapours	None
Specific weight	1.31 kg/l
Shelf life	Indefinite, Keep container lid sealed tightly when not in use

## 3. Standard Container Sizes

5 and 25 kg containers  
 Caulk gun cartridges 300 ml or 950 ml available on request  
 Also available 55-gallon drums (208 liter/272 kg) for pumping applications (TRACIT-1100A).

## 4. Coverage Rates

According to film thickness and application requirements the approximate coverage rates are:

2.2 kg/m<sup>2</sup> for a film thickness of 1.5 mm  
 4,2 kg/m<sup>2</sup> for a film thickness of 3,0 mm  
 8,5 kg/m<sup>2</sup> for a film thickness of 6,0 mm

Clamp-on Panels shall be fitted very tight so that surplus material could squeeze out and metal contact is ensured as far as possible for optimal heating efficiency and economical TRACIT consumption.

## 5. Installation Instructions

No premixing or curing required. Using a hand trowel, apply a thin layer of 3-6 mm to mechanically mounted surfaces (such as clamp-on coils) to fill in air gaps to ensure contact with heating source. If installing in a cold environment, product may be warmed up to 25 °C for lower viscosity and easier application. Product may be applied over existing coatings, although excessive surface dirt and rust should be removed for ideal performance. TRACIT-1100 heat transfer cement will act as a corrosion barrier.

TRACIT-1100 should not be exposed to open flames or strong oxidizing agents. If removal is necessary, scrape off using a hand trowel and an industrial degreasing agent.

Wear protective gloves and glasses when handling.

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