THERMAL CONDUCTING CEMENTS

CHEMAX MANUFACTURING CORPORATION

FAMILY-OWNED & OPERATED
SINCE 1954

TRACIT-1100

Heat Transfer Mastic, Non-Hardening

APPLICATIONS

TRACIT-1100 non-hardening compound (cement) was designed to be used with clamp-on (plate-type) heating coils. TRACIT-1100 eliminates the air voids that exist between the coil and vessel wall, leading to a three-fold increase in conductive heat flow.

TRACIT-1100 mastic is soft and pliable, allowing it to maintain superior surface contact during expansion and contraction cycles. TRACIT-1100 is waterproof and will act as a corrosion barrier.

INSTALLATION

Gloves and safety glasses are recommended during installation. No pre-mixing or curing required. Using a hand trowel, apply a thin layer (1/8"-1/4") 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, mastic may be warmed up to 80°F for lower viscosity and easier application. Preheating the coil up to 200°F will also help the mastic spread more smoothly. Product may be applied over existing coatings, although excessive surface dirt and rust should be removed for ideal performance. No curing is required.

TRACIT-1100 should not be exposed to open flames or strong oxidizing agents.

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

SPECIFICATIONS

Minimum Application Temperature: 5°F

Maximum Usage Temperature: 450°F (232°C)

Minimum Usage Temperature: -116°F (-80°C)

Heat Transfer Coefficient (Heat source-tank wall): 20-40 Btu/hr•°F•ft2 (114-227 w/m2•°C)

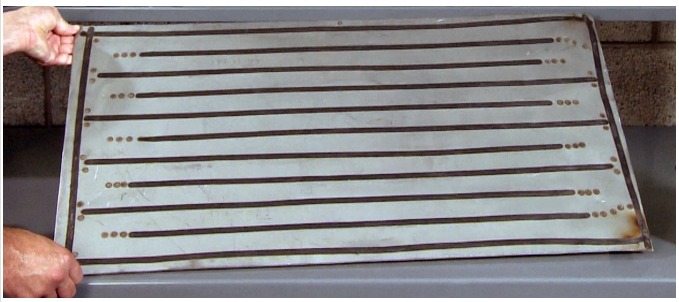
Water-Soluble: No

Net Weight: 11 lbs. (5 kg.) per gallon

Shelf Life: Indefinite. Keep container lid sealed when not in use.

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

Flat Surface Coverage Rate: 12 sq. ft. per gallon (based on 1/8" application thickness).



Bare plate coil (left) compared to heat transfer-optimized coil (right) after mastic application.