

THERMAL CONDUCTING CEMENTS



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SINCE 1954

TRACIT-1000

Heat Transfer Mastic, Non-Hardening

APPLICATIONS

TRACIT-1000 non-hardening compound (cement) was designed to be used with clamp-on (plate-type) cooling coils. TRACIT-1000 eliminates the air voids that exist between the coil and vessel wall, leading to a three-fold increase in conductive heat flow.

TRACIT-1000 mastic is soft and pliable, allowing it to maintain superior surface contact during expansion and contraction cycles. TRACIT-1000 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 cooling 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-1000 should not be exposed to open flames or strong oxidizing agents.

TRACIT-1000 compound is non-setting and can be easily removed from installations.



SPECIFICATIONS

Minimum Application Temperature: 5°F

Maximum Usage Temperature: 300°F (150°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

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.