

THERMAL CONDUCTING CEMENTS



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SINCE 1954

TRACIT-600A

Heat Transfer Mastic, Hardening

APPLICATIONS

TRACIT-600A is a high-temperature heat transfer compound (cement) that hardens when cured. This fine-grained mastic is designed for use on electric and thermal fluid heat tracing systems exceeding 750°F (400°C). May also be used on high-temperature applications such as electric strip and ring heaters.

This compound dissipates heat away from electrical resistance heating elements into the adjacent equipment. Systems that utilize TRACIT-600A experience faster heat-up times and increased energy efficiency.

INSTALLATION

Gloves and safety glasses are recommended during installation, as this product is slightly alkaline. For tracing applications, apply a thin layer (1/8-1/4 inch thick) with a mortar trowel to completely cover tracer (not entire pipe). It is optimal to remove loose paint, rust, scale, grease, etc. with wire brush before applying TRACIT-600A.

TRACIT-600A will cure on its own within 24 hours by air-drying. Curing may be expedited by turning the system on to low temperatures under 200°F. Otherwise, allow mastic to air-dry until hardened before heating above 212°F. Exceeding this temperature before curing has completed may cause TRACIT-600A to become porous and give poor heat transfer.

Protect TRACIT-600A from water penetration. TRACIT-600A should never be exposed to acid. May be removed using water or a putty knife.

Chemax **CC1 galvanized metal channels** are recommended for quicker installation and weather protection. These are sold in convenient 4-ft. sections. Also available in stainless steel.



SPECIFICATIONS

Minimum Application Temperature: 32°F

Maximum Usage Temperature: 1250°F (675°C)

Minimum Usage Temperature: -300°F (-182°C)

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

Bonding Strength: 200 lbs. sq. in

Water-Soluble: Yes

Net Weight: 14 lbs. (6.4 kg.) per gallon

Shelf Life: 1+ years in unopened can (depending on ambient storage conditions). Keep lid sealed tightly when not in use.

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

COVERAGE RATES

Based on 1/8 inch application thickness. Apply by hand trowel. Flat surface coverage rate: 12 sq. ft. per gallon.

Tracer Size	Process Line Size	Linear Feet/Gallon
3/8" O.D.	1 1/2" to flat	32
1/2" O.D.	1 1/2" to flat	28
3/4" O.D.	2" and larger	14
1" O.D.	3" to flat	9