

THERMAL CONDUCTING CEMENTS



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TRACIT Heat Transfer Compounds Applications & Benefits

For almost 70 years, Chemax TRACIT heat transfer compounds have been an integral component of heat tracing systems. Chemax compounds/cement/mastics are essential for maximizing heat transfer rates and improving thermal efficiency.

The primary purpose of TRACIT cements is to improve the heat transfer between two surfaces by increasing the contact area and eliminating the air flow. Heat is then transferred directly to the pipe wall by conduction. **Only one TRACIT line is required to maintain pipe temperature, where 3-5 bare (convection) tracers would otherwise be needed.**

Due to the excellent adhesive properties of these mastics, they can be applied to almost any clean surface.



Figure 1: Typical Steam Tracing Application



Figure 2: Mastic being applied to bare tracer



Figure 3: Cured mastic now creates uninterrupted thermal connection between tracer and pipe wall

Advantages

User-Friendly: TRACIT heat transfer compounds are pliable and have a putty-like consistency, which allows for easy application by mortar trowel.

Durable: Compounds can withstand considerable mechanical and thermal shock, and will last for the life of the installation.

Fire-Resistant: Compounds will not burn or support combustion.

Safe: Chemax mastics are non-hazardous.

Reliable: Over 67 years of proven performance.

Low-Cost: TRACIT mastics cost far less than jacketed systems and provide an equivalent heat transfer with steam tracings.

Contact a representative for additional information!

