DYLON DATA

THERMATRACE
TC
0598/2756

DYLON THERMATRACE TC
Heat Conductive Compound

DESCRIPTION:

Dylon Thermatrace TC is a high temperature, graphite filled, putty-like material that provides the broadest temperature range available in heat conductive compounds. **Dylon Thermatrace TC** will significantly increase the heat transfer from one surface to another and reduce hot spots, permit heat sources to operate at lower operating temperatures, prolong heating element life, lower power consumption and reduce initial heat-up time. The cured compound is water resistant, highly resistant to acid fumes and salts, and is unaffected by oils, greases, and organic solvents.

USES:

Thermatrace TC has a temperature range -250ºF to +1750ºF (-157ºC to +954ºC). It was primarily developed to increase thermal efficiency of electrical heating tapes, coils, strips, and steam tracers.

CHARACTERISTICS:

Filler:	Graphite	Flash Point:	None
Solids Content:	75%	Consistency:	NLGI Grade 1
Density:	13.6 lbs./gal	Shelf Life:	1 yr (Unopened container)
Thermal Conductivity:	1.5 - 3.0 BTU - Ft. /Hr. - ºF - Ft²		
	18 - 36 BTU - in. / Hr. - ºF - Ft²		

APPLICATION:

To improve contact and prevent excessive movement, steam-tracer tubing or any moveable heating element must be securely fastened to the vessel that is to be heated. This can be accomplished by wiring, banding or clamping the tracer tube to the vessel. The surface or process equipment on which **Thermatrace TC** heat transfer compound is to be applied should be essentially free of all loose foreign materials such as rust, dirt or paint scale. All grease or oil films should be removed with a suitable solvent.

Thermatrace TC may be applied by trowel or pneumatic pump on process piping, insulated electric tracing, heat blankets and plate coils; excessive compound can be removed from the edges. **Thermatrace TC** will air dry in 24 to 48 hours and should be allowed to dry before use. On large installations where it is difficult to remove moisture, drying time may require 3 - 5 days. In all cases this time may be reduced by heating the compound to 185ºF to 210ºF . Once dry no additional precautions are necessary. The assembly may then be covered with insulation and is ready to use.

(over)

Thermatrace TC can be diluted with a small amount of tap water. Application equipment can be easily cleaned with warm water. Once dry, the water resistance can be improved by washing the dried compound with a 20% hydrochloric acid solution.

SAFETY:

See the MSDS for full safety and health information.

PACKAGING:

1 Gallon Containers 5 Gallon Pails