PRODUCT SPECIFICATIONS

T-3 HEAT TRANSFER COMPOUND

APPLICATION

T-3 heat transfer compound creates an efficient thermal bond between a steam or electric heater and process pipes or equipment. A single Thermonized steam tracer utilizing Thermon's heat transfer compound is more cost effective than a contoured clamp-on jacket and has the equivalent performance of three (or more) bare tracers.

T-3 is typically utilized for applications with maximum exposure temperatures of 700°F (371°C). To minimize waste and speed installation, use Thermon's ChannelTrace™ system featuring TFK channels. The ChannelTrace system provides protection prior to installation of thermal insulation and invites no special curing procedure for the T-3 heat transfer compound. (Refer to the back of this specification sheet for details.)

SPECIFICATIONS/RATINGS

T-3-1 ..... 1-gallon (3.79-liter) pail
T-3-2 ..... 2-gallon (7.58-liter) pail
T-3-5 ..... 5-gallon (18.93-liter) can
Maximum exposure temperature ..... 700°F (371°C)
Minimum exposure temperature ..... -320°F (-196°C)
Minimum installation temperature ..... 32°F (0°C)
Heat transfer coefficient, Ut, tracer to pipe wall
20-40 Btu/hr•°F•ft^2 (114-227 w/m^2•°C)
Nominal electrical resistivity ..... 0.34 ohms-inch (0.86 ohms-cm)
Shelf life (unopened) ..... 1 year
Nominal bond shear ..... 150 lbs/in^2 (1,034 kPa)
Water-soluble ..... yes

BENEFITS

- Free design assistance for Thermonized tracing
- Increase heat transfer rates significantly over bare tracing, reducing number of tracers and steam traps
- Fewer steam tracers reduce installation time; ChannelTrace eliminates waste
- Water-soluble for easy cleanup
- Requires no special curing procedure for tracing under TFK channels

DESCRIPTION

T-3 is a heat transfer compound that hardens when cured.

OPTIONS

TFK steel channel provides additional protection for a Thermonized tracer prior to the insulation of the pipe or equipment.

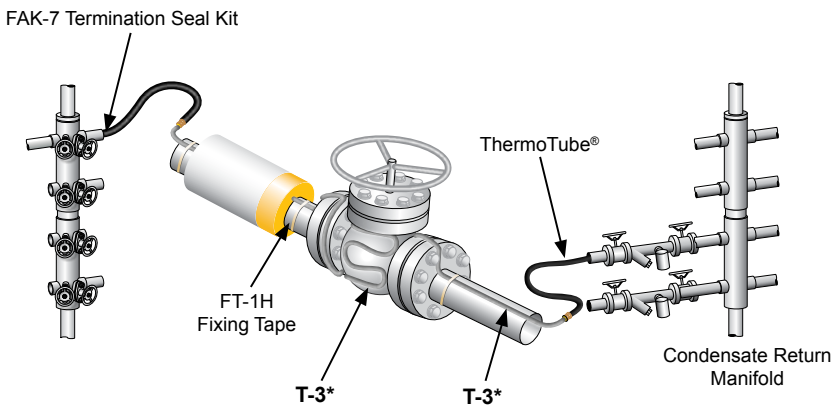
Banding and tools to secure steam tracing (TFK channel and/or tubing) to pipe or equipment.

THERMON **The Heat Tracing Specialists®**
ISO 9001 REGISTERED
Corporate Headquarters:100 Thermon Dr • PO Box 609 San Marcos, • TX 78667-0609 • Phone: 512-396-5801 • 1-800-820-4328
For the Thermon office nearest you visit us at . . . www.thermon.com

PRODUCT SPECIFICATIONS

T-3 HEAT TRANSFER COMPOUND

TYPICAL STEAM TRACING SYSTEM

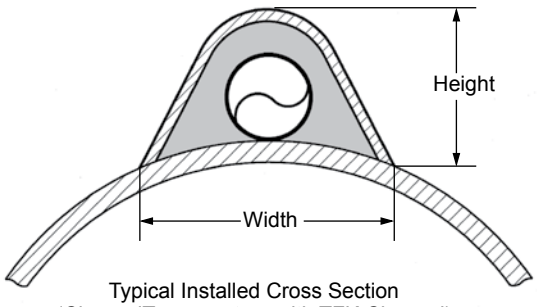


*Thermal insulation not shown to highlight T-3 Compound and FT-1H Tape. Completed steam trace installation should include thermal insulation.

TFK CHANNEL SPECIFICATIONS

Nominal TFK Channel Dimensions (See Cross Section Below)					
Catalog Number	**Width in (mm)**	**Height in (mm)**	**Length ft (m)**	**Thickness in (mm)**	**Channel Material**
TFK-4	1.18 (30)	.84 (21)	.04 (1.2)	.04 (1.0)	Rigid Galvanized Steel
TFK-6	2.00 (51)	1.00 (25)	.04 (1.2)	.03 (0.7)	Flexible Stainless Steel
TFK-7	1.62 (41)	1.22 (25)	.04 (1.2)	.04 (1.0)	Rigid Galvanized Steel
TFK-8	0.66 (17)	.75 (19)	.04 (1.2)	.04 (1.0)	Rigid Galvanized Steel
TFK-9	2.50 (64)	1.75 (44)	.04 (1.2)	.06 (1.6)	Rigid Galvanized Steel

Note: Galvanized TFK channels are used up to 410°F (210°C). Use optional stainless steel channels for higher temperatures.



Typical Installed Cross Section
(ChannelTrace system with TFK Channel)

BASIC ACCESSORIES . . .

Stainless Steel Banding used to secure tracer to piping.

ALP-1 dielectric coating applied to aluminum pipe prior to T-3 compound application.

T2SSB (.50" x .020") for 3/8" and 1/2" O.D. tube tracers.

T3SSB (.50" x .030") for 3/4" and 1" O.D. tube tracers and NPS pipe tracers.

T34PB-CR crimp seals for fastening tensioned banding.

C001 banding tool for applying tension to T2SSB or T3SSB banding.

1950A crimping tool for T34PB-CR seals.

TFK Channels for ChannelTrace Systems

TFK-4 for 3/8" or 1/2" O.D. tubing.

TFK-6 flexible stainless steel for 3/8" - 3/4" tubing.

TFK-7 for 3/4" O.D. tube or 1/2" NPS pipe tracers.

TFK-8 for 3/8" tubing on small process lines.

TFK-9 for 1" O.D. tube or 1" NPS pipe tracers.

(Galvanized steel is standard - contact Thermon for optional stainless steel)

ThermoTube pre-insulated tubing used for steam supply and condensate return lines. Available in various materials and ratings. See Form TSP0009 for more info.