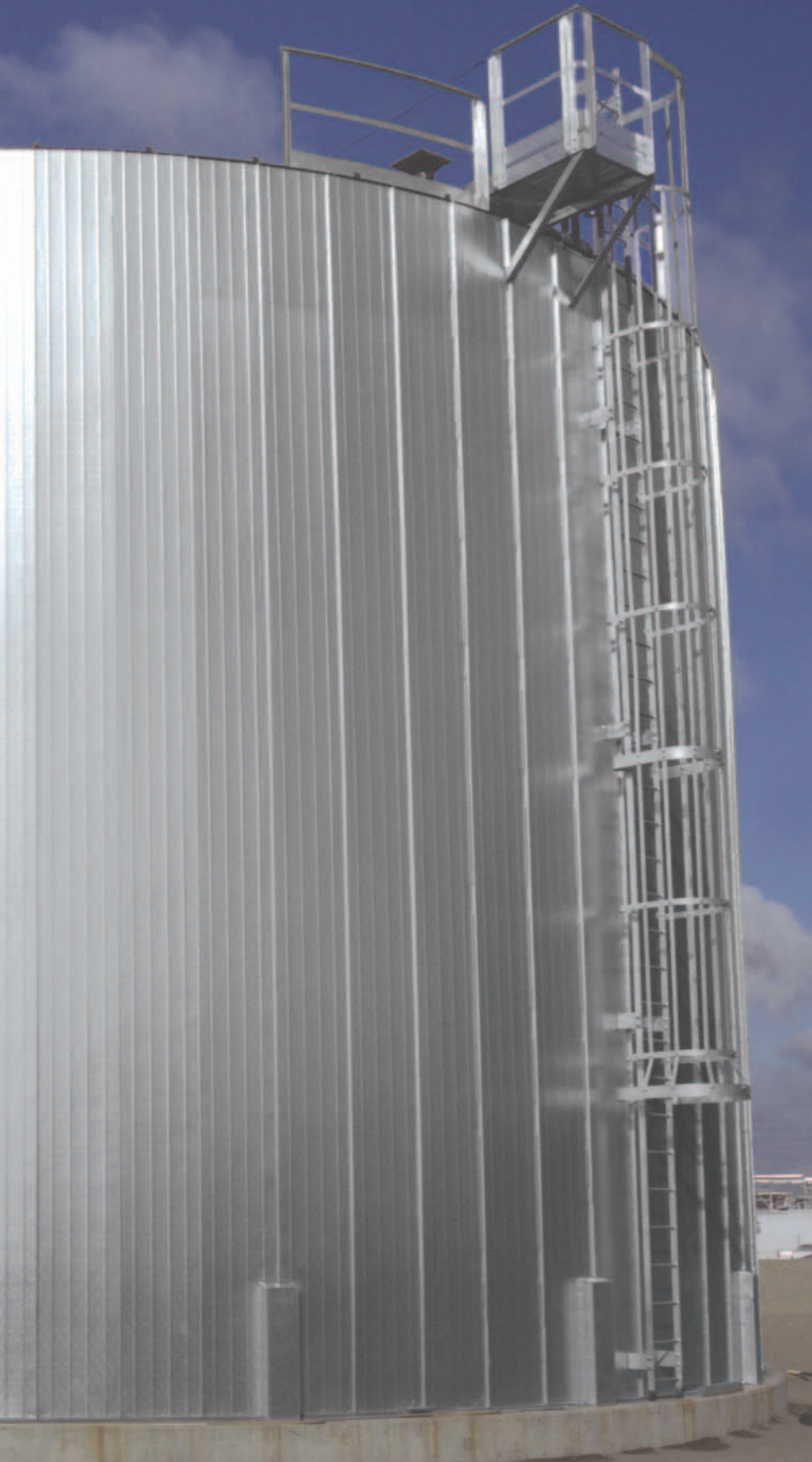


TRAC-LOC™

TRACER™
~~~~~

**Vertical Lock-Seam  
Tank Insulation**



**Tyco Thermal  
Controls**

### A Solutions Company

Tyco Thermal Controls, a division of Tyco Flow Control, provides complete heat tracing and heat management solutions to industrial, commercial and residential markets. Employing thousands of people around the world, Tyco Thermal Controls is the global heating solutions leader.

### Worldwide Approach

Decades of experience and operations in 48 countries around the globe gives Tyco Thermal Controls the ability to support any project, anywhere, at anytime. Whether specialized products or turnkey construction services, Tyco Thermal Controls provides the solution.

### The Tracer™ Brand

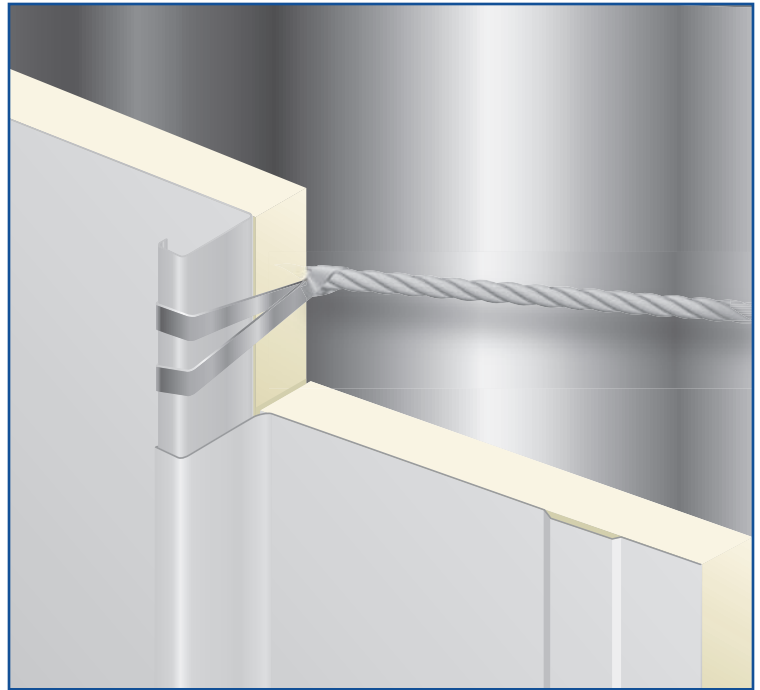
Since 1984, Tracer Industries has been widely regarded as the premiere provider of turnkey heat-tracing services and engineered product solutions in the industrial marketplace. Today, within Tyco Thermal Controls, the Tracer brand continues to signify excellence in complete engineering, design, project execution and maintenance services of heat management systems.

### Tracer™ Trac-Loc™ System

The Trac-Loc system is a double-locking standing seam insulation panel system that delivers structurally superior, maintenance-free, and lower cost insulation than conventional tank insulation methods. Trac-Loc is ideal for large, flat-bottomed tanks used for storage of materials that are sensitive to temperature fluctuations and require a covering of insulation and jacketing to reduce heat loss or gain. The Trac-Loc Vertical Lock-Seam Tank Insulation system is unique in its design, panel construction and installation techniques. Trac-Loc is provided as a complete installed system.

## Panel Construction

Panels are fabricated by laminating insulation material to a pre-formed metal jacket. Panels can be the entire height of the tank eliminating jacketing penetrations and reducing total installation cost. Panels are manufactured in one continuous piece equal to the height of the tank, eliminating horizontal joints. Panels can be made from one or more industrial insulating materials. Jacket materials conform to industry standards.



### Materials

|                 |                |
|-----------------|----------------|
| Jacket:         |                |
| Aluminum*       | .024" (0.6 mm) |
| Stainless steel | .016" (0.4 mm) |
| Steel           | 26 Gauge       |
| Galvalume       | .024" (0.6 mm) |

\*Jacket material can be coated for corrosive environments and colored for aesthetics.

|                    |                               |                       |
|--------------------|-------------------------------|-----------------------|
| Insulation:        |                               |                       |
| Fiberglass         | K = .24 BTU • In/Hr • Ft • °F | Tmax = 850°F (454°C)  |
| Cellular Glass     | K = .30 BTU • In/Hr • Ft • °F | Tmax = 900°F (482°C)  |
| Polyisocyanurate   | K = .19 BTU • In/Hr • Ft • °F | Tmax = 250°F (121°C)  |
| Mineral Wool       | K = .26 BTU • In/Hr • Ft • °F | Tmax = 1200°F (149°C) |
| Calcium Silicate** | K = .34 BTU • In/Hr • Ft • °F | Tmax = 1200°F (149°C) |
| Expanded Perlite** | K = .34 BTU • In/Hr • Ft • °F | Tmax = 1200°F (149°C) |

K-Factor based on 100°F (38°C) mean temperature

See the *Engineering Specification for Trac-Loc Panel Systems (H57589)* for detailed temperature range information.

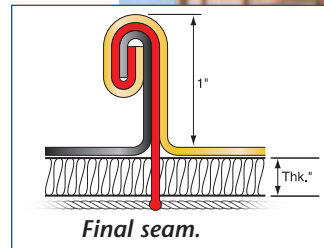
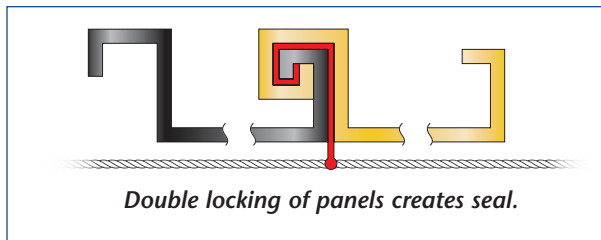
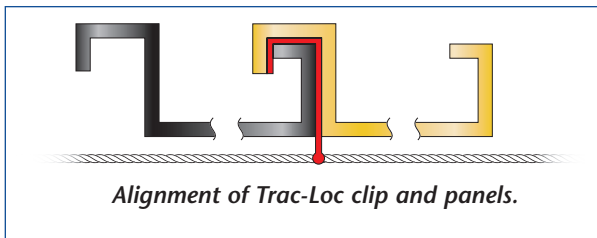
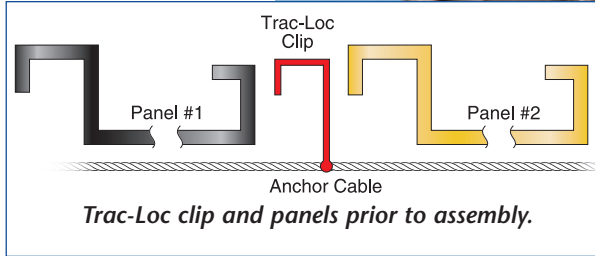
\*\*Used for double layer composite insulation applications only



# Advanced Interlock Panel System for Tank Insulation

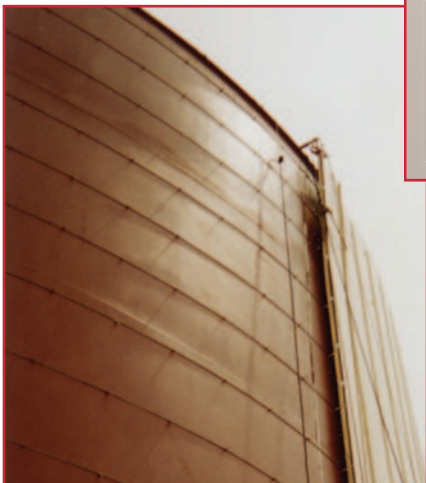
## Design

The Trac-Loc advanced interlock panel system consists of prefabricated panels of insulating and jacketing material. These panels, fabricated to the height of the storage tank, include mating seams that are mechanically folded together. This mechanical seam creates a homogenous jacket that not only secures the panels to the storage tank, but also reduces moisture ingress, has superior bend resistance, and has inherent expansion and contraction properties.

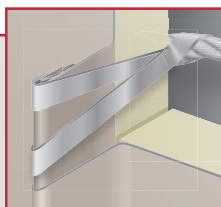


## Installation

Installing the Trac-Loc tank insulation does not require conventional scaffolding or horizontal bands, making the installation cost effective and maintenance free.



*A Trac-Loc cable grid is tensioned to the tank using turnbuckles.*



*A Trac-Loc clip secures the panel to the cable.*



*A manbasket is used to install and lock panels together.*





Flow Control

## Why Trac-Loc?

The unique construction methods used with Trac-Loc offer many advantages over conventional insulation systems.

**Cost effective:** Eliminating scaffolding results in lower installed cost and schedule compression.

**Superior structure:** Continuous 360° interlocking seams provide rigidity that reduces moisture ingress and offer superior wind resistance.

**Maintenance free:** Interlocking panels eliminate the use of external horizontal bands that require maintenance over time. Screws are not required, so jacket penetrations are eliminated.

**Repairable:** Single panels may be replaced if damaged.

***Important:** All information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their particular application. Tyco Thermal Controls makes no warranties as to the accuracy or completeness of the information, and disclaims any liability regarding its use. Tyco Thermal Controls' only obligations are those in the Tyco Thermal Controls Standard Terms and Conditions of Sale for this product, and in no case will Tyco Thermal Controls or its distributors be liable for any incidental, indirect, or consequential damages arising from the sale, resale, use, or misuse of the product. Specifications are subject to change without notice. In addition, Tyco Thermal Controls reserves the right to make changes—without notification to Buyer—to processing or materials that do not affect compliance with any applicable specification.*

*Tyco, Tracer and Trac-Loc are trademarks or registered trademarks of Tyco Thermal Controls LLC or its affiliates.*

**Worldwide Headquarters**  
**Tyco Thermal Controls**  
300 Constitution Drive  
Menlo Park, CA 94025-1164  
USA  
Tel (800) 545-6258  
Fax (800) 596-5004  
E-mail: [info@tycothermal.com](mailto:info@tycothermal.com)  
[www.tycothermal.com](http://www.tycothermal.com)

**Canada**  
**Tyco Thermal Controls**  
250 West St.  
Trenton, Ontario  
Canada K8V 5S2  
Tel (800) 545-6258  
Fax (800) 527-5703

©2004 Tyco Thermal Controls LLC Printed in USA H57478 06/04

