



WHY TRAC-LOC?

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

Cost effective

Avoiding use of scaffolding results in lower installed cost, better safety and reduces time spent for construction.

Superior structure

Robust, continuous 360° interlocking seams provide rigidity that reduces moisture ingress leading to minimized under insulation corrosion, high energy saving and offer superior wind resistance and longer lifetime.

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.

Aesthetically Superior

Trac-Loc panels offer a wide range of colors for a clean finished look.

Design Ingenuity

Incorporating expansion/contraction joints for all operating temperatures. Designing solutions to fit your unique applications



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Our powerful portfolio of brands:

CADDY ERICO HOFFMAN RAYCHEM SCHROFF TRACER



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CONNECT AND PROTECT

TRAC-LOC VERTICAL LOCK-SEAM TANK INSULATION





INDUSTRIAL SOLUTIONS

As the world's largest provider of complete electrical heat management systems, primarily for the general process, oil and gas, chemical, and power generation industries, nVent provides innovative products and turnkey solutions under market-leading brands—nVent RAYCHEM and TRACER. Our premier turnkey solutions include full life cycle support—ranging from front-end engineering and installation to maintenance and operation services. Our global experience and office presence in 50 countries uniquely positions us to manage the heat needed for projects of any size and scope.



TRAC-LOC SYSTEM

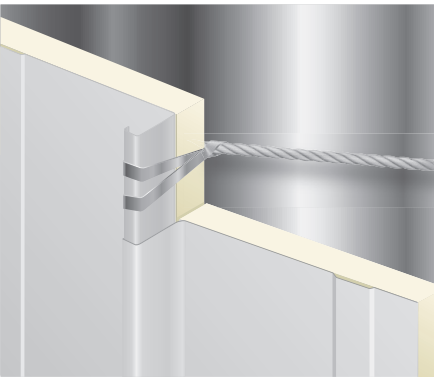
The nVent TRACER Trac-Loc system is a double-locking standing seam insulation panel system that delivers structurally superior, maintenance-free, and lower cost insulation than conventional tank insulation methods. Trac-Loc is ideal for large, flat-bottomed tanks used for storing materials that are sensitive 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.

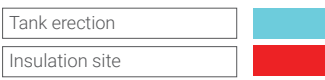


Vertical Lock-Seam Tank Insulation

The Trac-Loc advanced interlock panel system consists of prefabricated panels of laminated insulation and jacketing material. Panels can be the entire height of the tank eliminating horizontal joints and jacketing penetrations. The panels are easily installed by closing the full standing seam creating a homogenous jacket that not only secures the panel to the tank but also reduces moisture ingress.



Certified cables are placed around the tank. Stainless steel clips fixed on this cable are captured within the seam made between two panels resulting in a mechanically superior system that has inherent expansion and contraction properties.

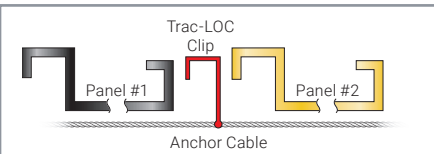


Conventional Insulation

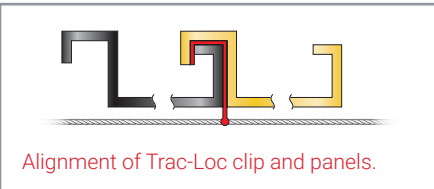


Trac-Loc Insulation

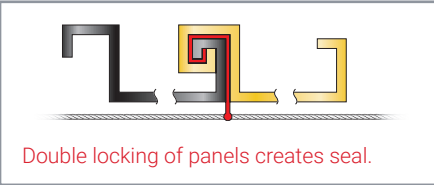
Prefabricated panels are stored in containers or a warehouse on site. From there the panels are easily installed by using a hanging basket or cherry picker eliminating scaffolding requirements.



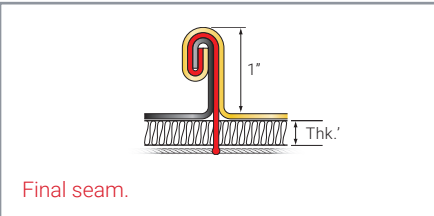
Trac-Loc clip and panels prior to assembly.



Alignment of Trac-Loc clip and panels.



Double locking of panels creates seal.



Final seam.

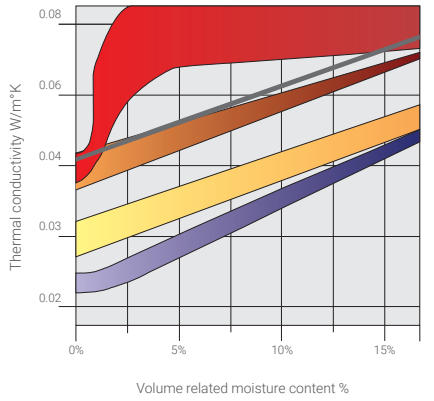


The benefits of the Trac-Loc system result in highly reduced Total Cost of Ownership (TCO) compared to conventional insulation systems!

The TCO calculation is based on the investment cost and all incorporated operational costs over the life time of a tank insulation system:

1. The Total Investment Cost (TIC)
2. The energy cost to maintain the tank temperature
3. The maintenance cost of the insulation system

nVent has a calculation programme that can be easily loaded with client and market specific data after which the potential financial savings based on the TCO can be calculated. The history and executed projects have proved that these savings can be substantial.



- Mineral Wool 80 kg/m³
- Cork
- Expanded Polystyrene foam 80 kg/m³
- Extruded Polystyrene foam 80 kg/m³
- Polyurethane 80 kg/m³

The graph shows 5% increase in water contents results in 200% increase in thermal conductivity of mineral wool.



Polyisocyanurate (PIR) insulation materials

- PIR is a load bearing hard foam material that does not degenerate, resulting in stable insulation behavior over the full life time.
- The Trac-Loc panels with PIR have lower K-values (higher thermal resistance) compared to conventional insulation materials.

The superior insulation behaviour of PIR material results in:

- Less energy needed to maintain the content of the tank at the required temperature.
- Longer cool down cycle.
- High energy savings.

