Industry Leading

Ammonia Refrigeration Insulation, Vessels, Tanks, Heat Trace and Thermal Blankets

Our experienced team brings expertise and value to every client project. Murphy is prepared to help you with any refrigeration project including controlled atmosphere storage, blast freezing, process cooling, make-up air units and energy solutions. We execute all facets of a project in-house including engineering, field installation, thermal insulation and process safety management.

MURPHY COMPANY
Insulation & Construction Services

murphycompanyusa.com

Ammonia Refrigeration Insulation

Murphy Company means many things depending on which part of the construction industry you are focused on. To some, it means a partner that you can count on to be there. To others, it means a sub that will uphold your standards on a jobsite through the final punch list. What it always means is quality and service. In the ammonia refrigeration piping industry, Murphy insulators bring years of experience to any job and create a finished look that exceeds expectations the first time.

Murphy can insulate your air units, evaporator piping, high temp piping, low temp piping and even paint hot gas / control bank piping.

We bring the latest in equipment and materials to aid us in meeting every deadline we tackle. We know that time is money to our end customers and we believe in giving every crew the support they need to complete projects as early as possible.

Murphy

Types of Insulation:

- Pipe Coatings: RG2400 / Primer
- Insulation: Styrofoam / Polyisocyanurate / Foamular
- Vapor Barrier: Zero Perm / Saran / Insulrap 30
- Mastic: CP-35 / CP-70 for irregular surfaces
- Jacketing: PVC / Aluminum / Stainless Steel
- Safety: ISNetworld certified

Heat Trace

Heat trace, also known as heat trace cable or heat tape, is a technology that is essential to many industries. It is used to maintain and raise the temperatures of pipes, preventing them from freezing and ensuring a consistent flow temperature. This is particularly important during winterization, as substances being transported through the pipes would otherwise congeal at ambient temperature. Heat tracing is a reliable and efficient alternative to steam trace heating, and professionals with expertise in system design and installation are in high demand to meet the increasing needs of these systems.

Murphy
Heat Trace Options:

- Allows Easy Access for Routine Maintenance & Inspections
- Protects Workers from Burns & Noise Pollution
- Reduces Unwanted Convection
- Prevents Freezing & Condensation

Thermal Insulation Blankets

Thermal insulation blankets are multi-layer coverings designed to contain heat and maintain a safe surface temperature. They are easy to install and remove and can be custom-fit to equipment of any shape. They offer advantages such as conserving heat, reducing emissions, preventing freezing and corrosion, lowering energy costs, minimizing noise, protecting against burns, improving workplace safety, and decreasing maintenance costs.

Heat tracing and thermal protection are technologies used in industries to maintain and raise pipe temperatures and prevent freezing. Thermal insulation blankets, like those offered by Murphy Company, are customizable coverings that trap heat and maintain safe surface temperatures.

They can be applied to equipment such as piping, valves, turbines, and engine parts. Thermal insulation blankets offer advantages like conserving process heat, lowering emissions, preventing freezing and corrosion, reducing energy costs, minimizing noise, protecting against burns, improving workplace safety, and decreasing maintenance costs.

Murphy
Thermal Blanket Options:

- Provides Improved Protection
- Controls Pprocess Temperatures
- Lowers the Cost of Heating and Cooling
- Reduces Risk of Corrosion

Vessels & Tanks

Murphy has experience with a variety of tank and vessel applications. Please let us help find the best insulation/jacketing solution for your specific project today! With crews of pipe, tank and vessel insulators, we exceed in the tank and vessel world.

Hot: Fiberglass & Mineral Wool
Cold: Styro / Poly Iso / Foamular

Our insulators are able to quickly and neatly work with both hot and cold vessels. We also specialize in standing seam vessels and elliptical head applications. Our crews know your vessels are going to be around for a long time and our proven craftsmanship is as well.

Murphy
Vessel & Tank Options:

- Elliptical Heads
- Stainless and Custom Vessels
- Hot Vessels: Mineral Wool & Fiberglass
- Cold Vessels: Styro / Poly Iso / Foamular

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