LIFELAST®
Innovation Through Formulation

ThermaLast®

Insulative Protective Coatings

Superior coating technology provides insulation and corrosion protection across a broad spectrum of industrial applications

LifeLast ThermaLast® Insulative Coating System: superior insulating corrosion protection

ThermaLast is a high-tech, multi-use, liquid insulation. The system is an engineering innovation benefiting industrial applications from steam pipe to oil and gas tanks to warehouse rooftops. Wherever conventional insulation is traditionally utilized, ThermaLast offers a less expensive, more efficient solution. ThermaLast's ease of application, compared to that of conventional insulation, reduces labor costs and its thermal protection qualities offer energy savings while substrate adhesion properties make corrosion under insulation (CUI) virtually a thing of the past. LifeLast's ThermaLast coating is the insulation system you can rely on.

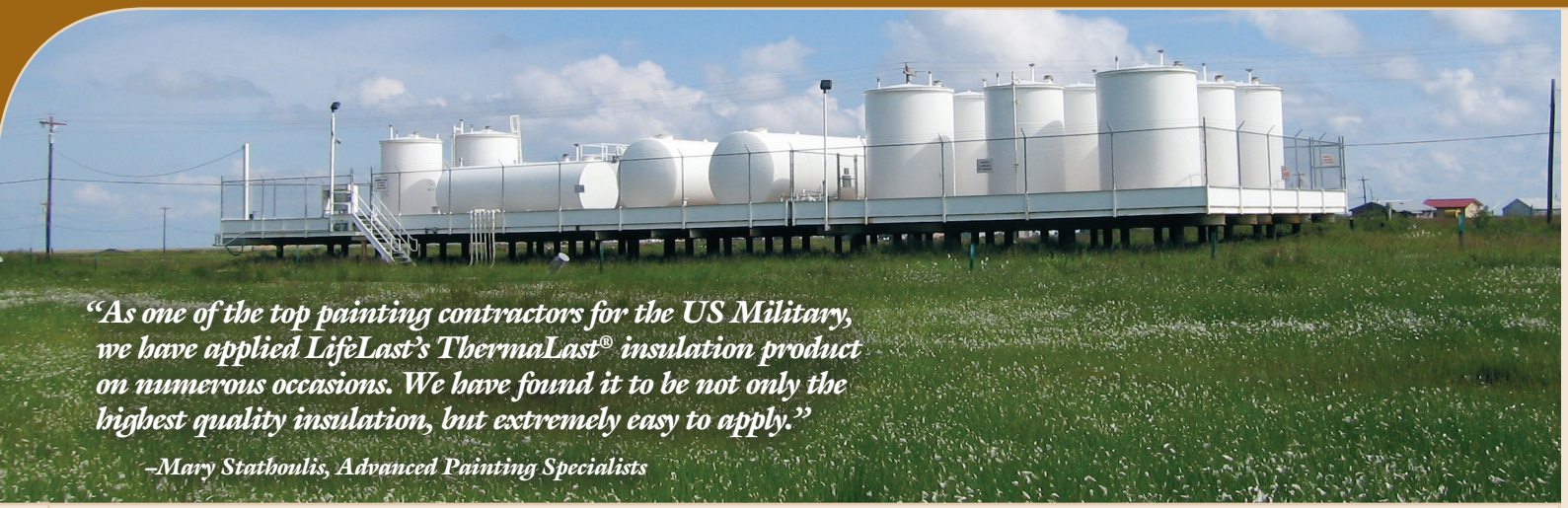
"We applied ThermaLast® insulation in the pilot house of one of the City of Seattle's fire boats. Our goal was to eliminate condensation, but we were pleased to find how warm it kept the pilothouse. We were very happy with the ease of application and the overall results, and we will continue to use ThermaLast® in numerous areas of the marine industry." ***—Joe Falsis, West Coast Marine.***

Industries We Serve

- Oil and Gas
- Tanks
- Paper Mills
- Food Processing
- Marine
- Transportation
- Forest Products
- Drilling and Fracturing
- Steam Lines/Distribution Piping
- HVAC and Ducting
- Boilers and Cookers
- Steam Valves and Traps

Typical Applications

- Personnel Protection
- Thermal Insulation/ Heat Retention
- Sound Attenuation
- Radiant Energy Reflection
- Rooftops/UV Blockage
- Condensation Mitigation
- Corrosion Protection



"As one of the top painting contractors for the US Military, we have applied LifeLast's ThermaLast® insulation product on numerous occasions. We have found it to be not only the highest quality insulation, but extremely easy to apply."

–Mary Statboulis, Advanced Painting Specialists

Protection. Reflection. Innovation.

Protection.

ThermaLast insulation safeguards both the employees and equipment you need to function in your business. ThermaLast bonds directly to the substrate, encapsulating and protecting it from the elements and corrosion. Conventional insulation often becomes wet or worn over time, diminishing its insulative value and, eventually, exposing surfaces to corrosion. Direct substrate adhesion ensures surfaces are guarded against wind, rain, snow, humidity or any other elements. Employing ThermaLast coating for personnel protection on infrastructure operating at temperatures up to 500˚F, protects your employees against epidural injury with acceptable skin contact temperature. ASTM C1055 and C1057 skin touch testing verifies that even a thin coat of the ThermaLast insulative coating mitigates, and may even eliminate, the risk of burn on hot surfaces.

Reflection.

ThermaLast is a highly reflective coating that performs exceptionally well in solar gain environments. The high reflectivity and emissivity of the ThermaLast resists radiant energy, virtually eliminating energy transferred to the structure and dramatically reducing temperature fluctuations. In solar reflective environments, ThermaLast's high reflectivity repels 99% of solar gain, allowing less than 1% of the sun's heat to touch your roof or other external surfaces. In industrial and non-UV environments, the ThermaLast's reflective and emissive properties work in conjunction with its low thermal conductivity to provide insulative properties comparable to, or in excess of, traditional batting/jacketed insulation systems in many applications.

Innovation.

In 1997, LifeLast Inc. engineered the ThermaLast technology for a LEED Qualified, thin-film insulation to replace conventional systems for a number of industrial applications. The result was a coating that would adhere to almost any surface, withstand temperatures up to 500˚F and provide personnel protection, while taking up only a fraction of an inch. Since ThermaLast is bonded directly to the substrate, it does not support CUI (corrosion under insulation), and its combination of high reflectivity and low thermal conductivity enable it to reduce or eliminate condensation in cold environments, while reducing energy loss on hot structures. The product remains a leader in innovation and covers more than a million square feet of surfaces across a myriad of industries and environments.

Key advantages include:

- High reflectivity and emissivity
- Low thermal conductivity
- Energy savings
- Ease of application
- Durability
- UV resistance
- Excellent adhesion
- Good chemical and corrosion resistance
- Green technology/Low VOC's/Water based

Partner with us.

Partners: More than just product.

We're more than product manufacturers, we're partners. We'll listen, carefully analyze and creatively approach your application solution. From concept to completion, we get rave reviews for service, support, responsiveness and product quality from engineers, OEMs, contractors, applicators and customers. We're here for you; the perfect blend of innovative technology, supported by good old-fashioned service.

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