Laars Epoxy Lining has been formulated to be a superior lining for tanks and vessels. Working closely with formulators and chemical engineers, Laars has developed a strong, heat-resistant durable epoxy coating for use in hot water applications. The formula is an effective coating against corrosion for potable water storage tanks, water filtration tanks, process tanks and pipe and fittings by providing excellent protection against the destructive nature of hot water.

LAARS Epoxy Lining for Custom Steel Tanks

Submittal Data

Laars epoxy is a field repairable lining which makes it an excellent alternative to cement linings, allowing faster repairs that get your system back in operation more quickly. It is lighter weight than cement which makes it more reasonable to ship. The epoxy works in conjunction with the anode system to help protect the steel tank from the corrosive nature of hot water.

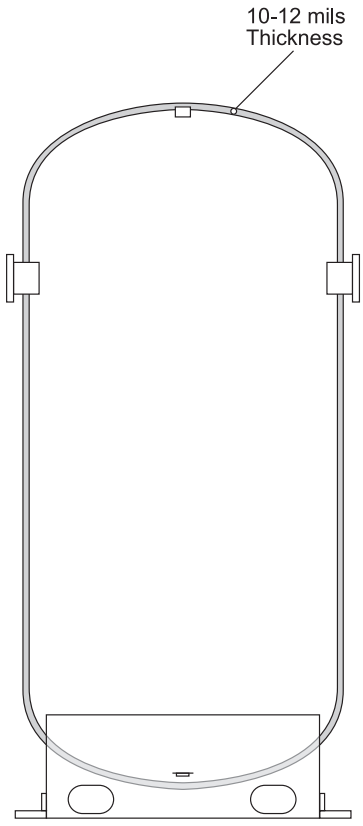
Specification:

Laars Epoxy Lining is applied to a white-metal, sand blasted to SSPC-SP5 (Society of Protective Coatings). This substrate preparation standard covers the requirements for white metal blast cleaning of uncoated or coated steel surfaces by the use of abrasives. These requirements include the end condition of the surface and materials and procedures necessary to achieve and verify the end condition.

A white metal blast cleaned surface, when viewed without magnification, shall be free of all visible oil, grease, dust, dirt, mill scale, rust, coating, oxides, corrosion products, and other foreign matter.

The epoxy lining is applied with a sprayer, roller or brush at a thickness of 5 to 6 mils/ application at ambient room temperatures. A total of 10–12 mils is applied. Each coat requires a minimum of 12 hours of dry time and must be tack-free between coats. The epoxy coating is then air cured for 72 hours to meet FDA approval.

Laars Epoxy Lining comes with a 1 year warranty. Anode protection is required even in epoxy lined tanks and are required to be maintained as outlined in our warranty. All tanks are manufactured under ASME Code.



Design Notes:

Color	Buff
Finish	Smooth, Semigloss
Thickness	10–12 mils Dry Film Thickness
Adhesion	>900psig (PA0PATTI-2 adhesion tester)
Heat Resistance	180°F Max (constant)
Pigments	Titanium Dioxide, Yellow Iron Oxide, Silica
Solids	63+/-2% Volume Solids
Abrasive Resistance	< 92 mg Loss (taber abrasion CS 17 wheels, 1000 grams, 1000 cycles)
Surface Hardness	2H (pencil hardness)
Flexibility	1/2” Conical Mandrel

LAARS® Heating Systems Company
A subsidiary of BRADFORD WHITE® Corporation

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