

# Rigid Foam and Topcoat



Date:

## Submittal Data

Project #:

Engineer:

Project Name:

Prepared By:

Location:

Bid Date:

Contractor:

Laars steel tanks with sprayed-on rigid insulation with acrylic topcoat exceeds ASHRAE 90.1 requirements with 2.25" of high-density polyurethane foam with an "R" value of R-16. SPF meets requirements for California Title 24. Laars spray foam insulation has the best fire spread rating with a Class I foam with less than a 25-flame spread rating suitable for boiler room applications.

The 100% acrylic topcoat is formulated for applications over spray polyurethane foam and is designed to withstand extreme weather and a full range of environmental conditions.

The 2 component polyurethane foam is applied at ambient temperatures, directly to the vessel in the desired thickness. The 2-coat topcoat is then applied from a high-pressure spray gun and allowed to dry between applications.

Alternative for insulated and steel jacket.

Any tank size or shape can be insulated.

Field repairable.

### SPRAY POLYURETHANE FOAM:

Specific Gravity:	1.17 – 1.19
Viscosity:	800 – 1300
Density:	@ 2" 2.10 – 2.35 @4" 1.88 – 1.99
Closed Cell Content:	>90%
K-Factor, initial:	0.155 – 0.170
Permeance:	2.91 (perms) 2.99 (perm inch)
Dimensional Stability:	+3.3 to +8.2 - Dry Age 28 days (158°F, Dry) -0.37 to -0.96 - Freeze 14 day (-20°F)
Flame Spread:	25 - ASTM E-84
Smoke Development:	450
R Value:	7.2/ inch
Max. Thickness:	4"

### ACRYLIC COATING

Topcoat:	2 coats white, 25 mils
Texture:	Smooth
Grade:	Spray or Roll
Base:	100% Acrylic
Solids by weight:	66% (+/-3)
Solids by volume:	55% (+/-3)
Weight per gallon:	11.65 (+/-0.2)
Tensile Strength:	300 psi (+/-25)
Elongation:	260% (+/-25)
Durometer hardness:	62 Shore A (+/-2)
Tear Resistance:	85 lbs/ in.
Permeance:	11 U.S. Perms @ 20 mils
Viscosity:	110 K.U. (+/-8)
Codes/ Approvals:	Energy Star, ICC, UL, ASTM D6083
Reflectivity:	New 85%, Aged 78%
Emmissivity:	.89

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