Niles Steel Tanks sprayed-on rigid insulation with acrylic topcoat exceeds ASHREE 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. Niles 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 (+/-25)
- 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