

## EPOXY TANK LINING SPECIFICATIONS

Hot water storage tanks supplied by Raypak, Inc. are lined with a polymerized, high-resistant, heavy-build, protective epoxy coating with an ammine-adduct type curing agent.

**APPLICATION:** Sprayed over prepared metal surface to meet SSPC-SP5 in two coats and cured at low temperature

**SUITABILITY:** Suitable for hot water storage to 212°F;  
May be used with deionized or distilled water, with temperatures not exceeding 210°F

**ACCEPTABILITY:** Meets the requirements of the U.S. Code of Federal Regulations, Title 21, Chapter 1, Food and Drug Administration, Part 175.300 and most state and local ordinances

### SPECIFICATIONS:

**Film Thickness:** 10-12 mils

**Adhesion:** 850 Lbs. per sq. in.

**Solids:** 74% ± 2% by weight; 53% ± 2% by volume

**Surface Hardness:** Konig Pendulum Hardness of 113 seconds  
Glass Standard = 250 seconds  
DIN Standard 53157

**Heat Resistance:** Water - demineralized or salt - 210 °F.

**Abrasive Resistance:** 75.3 Milligrams loss average, 1000 cycles, Taber CS-17 Wheel, 1000 Gr. Wt., Ivory color

**Electrical Resistance:** 5.5 x 10<sup>10</sup> OHM/CM Volume Resistivity

**Colors:** Ivory, Light Gray

**Pigments:** Titanium Dioxide, inerts and tinting colors

**Finish:** Smooth, glossy, hydrophobic

**Thermal Shock:** Unaffected in 5 cycles - 70°F to 212°F

**Flexibility:** 1/2 in. bend  $\nabla$  UHR Conical Mandrel - 10 Mil. Film

The epoxy lining provided is less susceptible to deterioration at elevated temperatures and the finish and hardness will withstand repeated cleaning and sterilization.