



## Technical Data – Architect Specifications

### POXY COAT® II™

### ALUMINUM

### PX-1706

**Description:** A permanent, heat resistant, rust preventative, semi-high gloss aluminum coating for interior or exterior wood, masonry or new, rusted or damp metal that can withstand dry temperatures to 350° F. Can prime and finish in one application, is resistant to grease, salt air, fungus, chemical fumes, gasoline, moist oils and has excellent leafing qualities.

**Recommended for:** Bridges - Water Tanks (exterior) - Oil Storage Tanks - Metal Roofs - Metal Windows - Smoke Stacks - Fences - Piping - Structural Steel - Machinery

**Limitations:** Not recommended for floors (Note: Aluminum pigment may be subject to sloughing until top layer has been dissipated) \* Not for continuous immersion service \*

**Finish:** Aluminum Semi-High Gloss (50+ @ 60°)

**Vehicle Type:** Modified Alkyd

**Solvent Type:** Mineral Spirits, High Flash Naphtha

**Percent Solids/Wt:** 48.82%

**Percent Solids/Vol:** 37.66%

**Viscosity:** 55-60 KU

**Weight/Gallon:** 7.885 lb.

**Physical Characteristics:** ASTM B117 Salt Fog Resistance – 200 hrs. – No Effect  
ASTM G5377 Accelerated Weather - 500 hrs. – No Effect  
ASTM D522-60 Conical Manrel 1/8" - Passed

**VOC:** 4.2 lbs./gal. (500 g/l)

**Flash Point:** 105° F. Seta Flash

**Recommended DFT:** 2.0 mils

**Mixing:** Stir thoroughly (do not shake), and apply as it comes from the container.

**Reducer:** Mineral Spirits (Note: Do not thin if doing so would result in exceeding VOC limitations)

**Coverage/Gallon:** 336 sq. ft./gal. @ 2 mils dry – Material losses during mixing and application will vary, as will condition and porosity of substrate, and must be taken into consideration when estimating job requirements.

**Surface Preparation:** Before coating, remove all grease, oil, dirt, wax and excess moisture. Wire brush or steel wool surface to remove all loose rust.

**Application:** Brush or Spray – Do not apply if material, substrate or ambient temperature is below 50° F. (10° C). Relative humidity should be below 90%.

**Primers:** No primers required on clean or previously painted surfaces. On galvanized steel and aluminum use a vinyl wash primer.

**Recommended Dry Time:** Set to touch in 2 hours, handle in 6 hours. Can be recoated in 18 hours.

**Shelf Life:** Minimum 12 months

**Pot Life:** Not Applicable

**Clean Up:** Mineral Spirits

**Conventional Spray:** Pressure material pot with mechanical agitator – Separate atomizer air and fluid pressure regulators – Compressor air supply should be capable of supplying a continuous volume of air at 80 PSI – Regulate air pressure to gun at 40-50 PSI and 20-25 PSI to pot – 5/16" or 3/8" ID Air Hose for gun – 1/2" ID for material house – Industrial spray gun such as Binks 18 with 63PE air cap, 63C fluid tip and 63A needle size

**SAFETY INFORMATION:** *COMBUSTIBLE! HARMFUL OR FATAL IF SWALLOWED. CONTAINS MINERAL SPIRITS, HIGH FLASH NAPHTHA.* Keep away from heat, sparks, and flame. To avoid breathing vapors or spray mist, open windows and door or use other means to ensure fresh air entry during application and drying. If you experience eye watering, headaches or dizziness, increase fresh air or wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Close container after each use. Avoid contact with skin or eyes. **FIRST AID:** If swallowed, do not induce vomiting. Call physical immediately. In case of eye contact, immediately flush thoroughly with water and call a physician. For skin contact, wash thoroughly. **USE WITH ADEQUATE VENTILATION. KEEP OUT OF REACH OF CHILDREN.** **NOTICE:** Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

**HMIS VALUE:** H = 1 F = 2 R = 0 PP = C

All technical recommendations and services are accurate to the best of our knowledge. Seller assumes no responsibility for the results obtained or damages incurred from their use by the Buyer in whole or in part. No warranty, including those of merchantability or fitness for a particular purpose, is expressed or implied since the method of application and its use is beyond our control. There are no warranties which extend beyond the description on the face herof.

**Note:** For additional information regarding preparation and application, please refer to Technical Forms M-90 and M-119.

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