

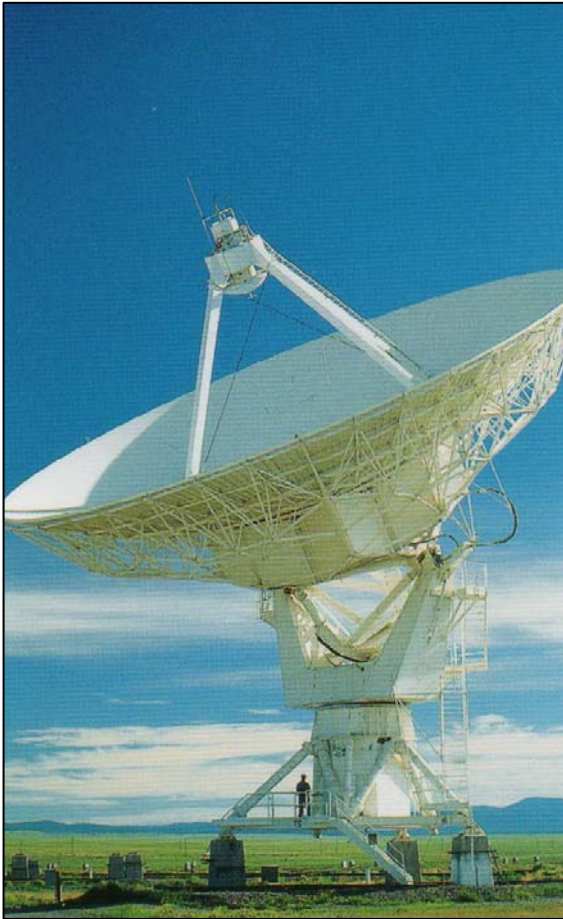
PSX Polysiloxane

Now, with just one coat of zinc primer, plus one coat of our breakthrough PSX siloxane-epoxy, you'll get performance equalling or surpassing the finest 3-coat systems available today. With PSX 700, you no longer need a costly polyurethane topcoat to attain outstanding weatherability, exterior gloss and colour retention. In fact, in many cases you don't even require a zinc primer. The unique combination of Aeron's patented, engineered-siloxane components with the power of epoxy's excellent adhesion, toughness, corrosion and chemical resistance, often makes a single coat of PSX 700 more than sufficient in many applications.



PSX 700

Unsurpassed Performance



PSX 700 offers a longer service life than the traditional epoxy/aliphatic polyurethane system it replaces. But when combined with an inorganic zinc primer (such as Ameron's Dimecote Series inorganic zinc), the 2-coat system significantly outlasts the best 3-coat zinc silicate, epoxy, polyurethane system. Here are just a few of the performance benefits offered by PSX 700.

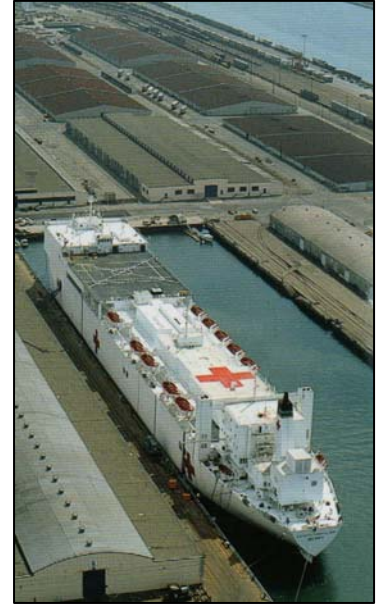
- Gloss and colour retention surpasses that offered by an aliphatic polyurethane
- Corrosion and chemical resistances exceed those provided by an epoxy coating
- Adhesive strength of 186 kgs/cm² (2700 psi) (on steel, using ASTM D4541) is more than double the 35-70 kgs/cm² (500-1000 psi) offered by conventional epoxy coatings.
- Abrasion resistance is greater than or equal to a flexible aliphatic polyurethane and far superior to an ordinary epoxy
- PSX 700 is highly resistant to stains, graffiti and dirt accumulation.

Significant Cost Savings

Ameron's PSX 700 siloxane-epoxy coating delivers dramatic, proven cost savings in many important ways. Use one coat of PSX to replace epoxy polyurethane topcoat as part of a system; or use PSX 700 over inorganic zinc silicate primer to replace a conventional 3-coat zinc, silicate primer, epoxy, aliphatic polyurethane system. Either way, here's how you save:

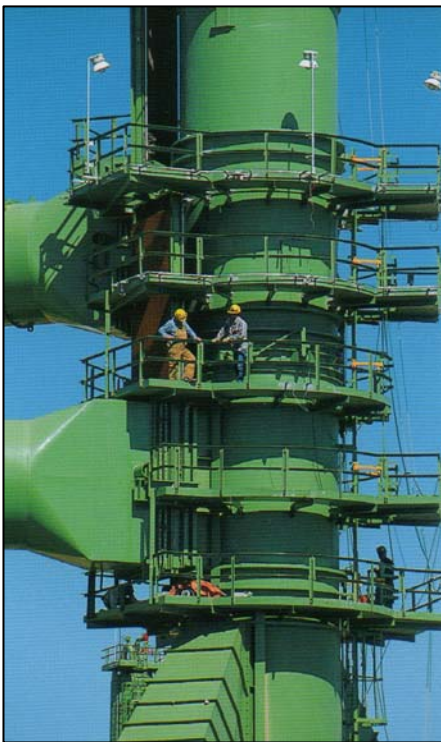
- Less frequent repainting due to greatly extended service life
- Lower initial application costs: you have one less coat to apply, whether you're replacing a conventional 2-coat or 3-coat system.

- Shorter application time (only 1 low VOC coat to apply) reduces costly plant downtime; for OEM products, 1 coat versus 2 or more increases profits through lower product costs.
- Reduced costs of hazardous waste management; extremely low volatile organic compound content 120 grams/litre VOC (1.0 lbs./gal. VOC) easily satisfies stringent environmental and health & safety requirements and cuts disposal costs (fewer cans to discard)
- Quick and easy application using airless or conventional spray, brush or roller
- Shorter downtime: cures at room temperature and dries to the touch in 2 hours at 21°C (70°F)



Outstanding Environmental Characteristics

Formulated with very high solids and extremely low volatile organic compounds (1.0 lbs./gal.(120 g/l) VOC), PSX 700 meets or exceeds today's stringent environmental, health and safety requirements – without compromising performance. And because PSX 700 needs little or no thinning, it provides significant reductions in solvent emissions and hazardous waste.



Unlike polyurethane, PSX 700 contains no hazardous isocyanates. And PSX 700 provides Class A fire resistance with low fire and smoke generation ratings to 500 microns (20 mils) DFT.

Typical Applications

- Structural Steel
- Concrete walls and floors
- Marine topsides and superstructures
- Tank exteriors
- Piping
- Heavy Equipment
- Machinery
- Manufactured products
- Offshore platforms

PSX 700 is a major breakthrough in protective coatings technology, and like all other Ameron products, it has been thoroughly tested in the only way that matters – in service. In fact, PSX 700 currently is in service protecting millions of square feet of valuable assets in a wide range of applications, ranging from corrosive chemical environments to general maintenance. For specific information about PSX 700's suitability for your particular application, just give us a call.

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