

BRIDGE DECK & ROADWAY REHABILITATION SYSTEMS

PRODUCT DATA SHEET: PPC™ BINDER RESIN

PRODUCT DESCRIPTION

PPC™ Binder resin is a highly resilient, iso-phthalic polyester-based resin product which in combination with selected aggregate materials produces high strength, high density polymer overlay and patching products. The composite products are used for the following applications:

- **Bridge Deck Protective Overlays**
- **Rapid Patching**
- **Expansion Dams**
- **Pre-fill of Exposed damaged rebar**

SPECIAL FEATURES

- Low viscosity for easy mixing
- Rapid curing and strength development
- Superior adhesion to PCC, LMC, Silica Fume concrete even under damp conditions
- High compressive and tensile strengths

PHYSICAL PROPERTIES – PPC™ Binder Resin	
Weight per gallon(resin binder only)	9.0-9.4 lbs./gal.
Viscosity	<200 cps
Flash Point(Setaflash)	90 F
Adhesion (Cal-Trans Test Method)	>500 psi
Tensile Strength (ASTM D-638, ¼" specimen)	2500 psi
Tensile Elongation	35%, min.
Styrene content	45-55%
Meets CARB(California Air Resources Board Regulations for Emissions)	Rule 1162

PACKAGING

36 lb pails, 496 lb (55 gallon) drums, Tank Trucks

SAFETY

PPC™ Binder resin consists of polymer materials that have been used safely for over 20 years. However, there are certain safety issues that need to be readily

understood. PPC™ Binder Resin is FLAMMABLE! NO SMOKING is allowed! Fire extinguishers must be available as well as plans for emergency situations. Emergency situations are unlikely, but preparation is always SMART!

For emergency situations, always have available clean water for accidental contact in the eyes, fire extinguishers, and emergency center addresses, phone numbers.

Wear protective clothing, eye protection, and chemical resistant gloves. Organic vapor respirators are not normally required. For individuals highly sensitive to chemical vapors, organic vapor respirators are suggested.

STORAGE

Containers of PPC™ Binder Resin should be stored in a cool, dry location and in their original containers. The shelf life for these materials stored at temperatures 80 F and below is 12 months. At elevated temperature storage shelf life is significantly reduced. Protect from moisture.