



PPC HFST

UNIQUE HYBRID POLYMER-BASED RESIN BINDER SYSTEM FOR HIGH FRICTION SURFACE TREATMENTS

- Rapid Cure in Cold Conditions
- Fast Return to Traffic
- Exceptional Aggregate Retention
- Superior Adhesion to Pavement Surfaces
- UV and Thermal Stability

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DESCRIPTION

PPC HFST is Kwik Bond Polymers' fast-curing hybrid resin system for High Friction Surface Treatments. When combined with high-friction aggregate, it enhances skid resistance and helps reduce crashes on curves, ramps, intersections, and steep grades. It bonds well to various pavement types, is easy to apply manually or by machine, and can reopen to traffic within the same shift.

APPLICATIONS

- Bridges and Highways
- Repair and New construction
- Resin binder system for High Friction Surface Treatments & Colored Lane Demarcation

FEATURES/ BENEFITS

- Rapid cure at temperatures below 40° F
- Rapid cure rates allow for faster return to traffic
- Enhanced aggregate retention with technological advancements
- Designed specifically to bond to specified HFST aggregates
- Designed to maintain durability through extreme thermal cycles
- Exceeds the requirements of most HFST specifications
- Simplified stoichiometry reduces concerns with mix ratio
- Can be applied with current automated installation equipment
- Can be mixed by hand for smaller installation
- Excellent adhesion to asphalt and concrete pavements
- Deep penetrating primer system for PCC installations

PHYSICAL PROPERTIES

Quality Characteristic	Test Method	Average Result
Mix Ratio		1:1
Viscosity	ASTM D2196	1400-1800 cps
Tensile Strength	ASTM D638	2,800-3,200 psi
Tensile Elongation	ASTM D638	50-60%
Compressive Strength	ASTM C579	>5,000 psi
Durometer Hardness	ASTM D2240	70
Bond Strength	ASTM C1583	>250psi or substrate failure
Thermal Compatibility	ASTM C884	Pass
Chloride Ion Permeability	AASHTOM T277	0 coulombs
Shelf Life		2 years



FOR MORE INFORMATION:

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