



PPC 9800 WRI

WEAR-RESISTENT INLAY / CONCRETE PAVEMENT WHEEL PATH RESTORATION SYSTEM

- Next-generation Polyester Polymer Concrete (PPC) technology
- Exceptional abrasion resistance and fracture toughness
- Reduces chain and studded tire wear on truck corridors
- Maintains substrate composite action through HMWM primer
- 2-hour traffic return from 40-100 F

PPC 9800 WRI

WEAR-RESISTENT CONCRETE PAVEMENT WHEEL PATH INLAY SYSTEM

DESCRIPTION

PPC 9800 WRI- Wear Resistant Inlay is a highly abrasion resistant polyester polymer concrete inlay system with a specially modified hybrid co-polymer resin binder designed for applications that require superior fracture toughness and long-term wear resistance compared to normal and high performance concrete pavements. It is specified for use on concrete pavement experiencing wheel path wear (caused by studded tires and chains), PPC 9800 WRI can return pavement to grade and offer greater long-term wear resistance. It is the preferred solution by Caltrans to withstand the most extreme traffic and weather conditions along the I-80 mountain corridor since 2016.

APPLICATIONS

- Bridges and Highways
- Repair and New construction
- Concrete pavement experiencing wheel path wear

FEATURES/ BENEFITS

- Over 2x the abrasion resistance of Polyester Polymer Concrete PPC 1121 per ASTM C944
- Mixed and placed exactly like PPC 1121 Polyester Polymer Concrete
- KBP 204 HMWM “healer/sealer” primer re-bonds cracks in cementitious concrete substrate and promotes adhesion to the PPC 9800 WRI inlay
- Protects the underlying substrate from chlorides and moisture featuring 0 coulombs permeability per ASTM C1202

PHYSICAL PROPERTIES

Quality Characteristic	Test Method	Average Result
Density	ASTM C138	135 lb/ft ³
Initial Compressive Strength	ASTM C579	6.0 ksi @ 4 hrs
Compressive Strength	ASTM C39	7.0 ksi @ 28 days
Modulus of Elasticity	ASTM C469	1,800 ksi @ 7 days
Chloride Ion Permeability	ASTM C1202	0 coulombs @ 28 days
Abrasion	ASTM C944	0.1 grams lost, 2 minutes @ 22 lbs



FOR MORE INFORMATION:

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