



## Specifications and Product Guide

### MANUFACTURER

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### GENERAL USES

- Concrete pavement repair
- Structural concrete repair
- Asphalt pavement repair

### PRODUCT DESCRIPTION

- Two-Part Polyester Resin Solution in Styrene

### CURED PROPERTIES

- Compressive Strength, With Aggregate
  - ½ Hour = Suitable for normal use
  - 1 Hour = 12,100 PSI, Test Load = 48,500 LBS
  - 1 Day = 13,000 PSI, Test Load = 52,300 LBS
  - 7 Days = 14,400, Test Load = 57,700 LBS
  - 28 days = 15,300, Test Load = 60,900 LBS
- Slant Shear
  - 1 Day = 2,400 PSI, Test Load = 33,900 LBS
  - 7 Days = 3,200 PSI Test Load = 44,800 LBS
- Heat Distortion
  - 110°F
- Tensile Elongation
  - Greater Than 35%
- Bond Strength
  - Exceeds Type II



## **TESTING STANDARDS**

- ASTM C 39 - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens.
- ASTM C 1059 - Standard Specification for Latex Agents for Bonding Fresh To Hardened Concrete.
- ASTM D 638 - Standard Test Method for Tensile Properties of Plastics.
- ASTM D 648 - Standard Test Method for Deflection Temperature of Plastics Under Flexural Load in the Edgewise Position.
- ASTM D 790 - Standard Test Methods for Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials.

## **STORAGE AND HANDLING**

- Store materials in clean, dry area in accordance with manufacturer's instructions.
- Keep containers sealed until ready for use.
- Protect from heat and direct sunlight.
- Do not store above 100°F.
- Protect materials during handling and application to prevent damage or contamination.

## **ENVIRONMENTAL REQUIREMENTS**

- **Do not** apply repair material if the air or surface temperature is above 120°F
- Consult your representative before applying repair material when the air or surface temperature is below 40°F
- **Do not** apply repair material when moisture is present.
- Cool temperatures, high humidity and shade or cloud cover will slow the set up time.



## **SURFACE PREPARATION**

- Ensure surfaces are clean, dry, and sound.
- Remove dirt, dust, oil, grease, coatings, loose scale, broken pieces, and unsound materials.
- Saw Cutting is not required in most applications.

## **APPLICATION**

- Blend the resin, catalyst and aggregate following the direction supplied with the material. These can be found on our website under Support / Documents / Blending Guide.
- Primer:
  1. Blend resin and activator to form a primer.
  2. Using a brush or roller, apply the primer to all surfaces of repair area, ensuring voids are filled. This step is especially important when the repair area is shallow or goes from deep to shallow.
  3. Allow primer to become tacky.
- Filler and Repair Slurry:
  1. Blend the resin, Catalyst, and aggregate to form a slurry.
  2. Add clean, dry, pea gravel when repairing deep potholes and spalls.
  3. Apply the slurry onto repair area.
  4. Apply the required finish to surface.
- Broadcast aggregate generously to the completed repair for texture.  
Note: Do not use this step when working on airport ramps and runways.
- Protect the repaired area from use until the area has hardened.