

FGI – 121 Hwy Marking Coating

Unique Coatings – Extreme Results

Description

FGI-121 HWY is an extremely unique ultimate performance **Highway Marking Coating**. **FGI-121 HWY** is an epoxy based coating that is impervious to heat and water providing for extreme abrasion resistance thus extremely long working life, up to 10 times the life of other marking coatings. These superior properties make **FGI-121 HWY** the most cost effective highway marking coating on the market. Because it is “wetter than water”, applied properly, **FGI-121 HWY** warrants against damage from standing water and can remain under water, ice, or snow with no harm to the coating. It offers unmatched protection against heat and cold extremes, mildew, salt, alkali, UV, oils and grease. **FGI-121 HWY** can be applied to a dry or wet surface making rain a non issue when it comes to application time. It is water proof and can be applied equally well direct to Asphalt or Concrete. It maintains remarkable flexibility to resist cracking. Very easy to use with a long 14 day pot life. Also, works perfect with the **FGI-8000 Cool Pave Coat**.

ASTM Test Battery:

ASTM B117 500 hour Salt fog test –Passed

ASTM D-2240 Hardness 85 Shore Durometer

ASTM E108-91A UBC32-7 Class A Fire Rated

ASTM D-638 Tensile Strength 1393 PSI

ASTM E-96 Water Vapor Transmission 0.7 perms

ASTM G-53 500 hour accelerated weathering test, bend double with no cracking, highly flexible

ASTM 1640, D-92, D-1644A, D-2196, D-696, D-570, C-836, D-1652, D-1259

Flexibility is retained in sub-zero conditions (down to -92 F)

Features & Benefits

- **Can be applied over Wet Surface and remain under water**
- **UV, Weather, Chemical, Salt and Abrasion Resistant**
- **Extreme Adhesion to Substrate**
- **Extremely Durable Wear Surface**
- **No Top-Coat necessary**
- **Contains No Zinc, Lead or Chromates**
- **Typical Applications: Highway, bridge and parking lot marking**

Application Methods

FGI-121 HWY may be applied by brush, roller, or spray. Surfaces should be free of loose scale, and any other film-forming foreign material. Substrate should be clean and tight. Applied properly, one 14.3 mil wet coat dries to 10 mils.

Airless spray is the most efficient application method for larger projects. Brushes and rollers may be used for detail work such as cross walks, edge termination, filling of voids, pinholes, and small cracks.

MIXING: Thoroughly mechanically combine and mix (10 to 1 ratio) 10 Parts Base (part "B") with 1 Part Activator (part "A") for 10 minutes in the 55 gallon drum, with a power mixer (jiffy mixer) until all streaks disappear and the mixture has uniform color and consistency. Be sure to allow mixing blade to rub on sides and bottom of container to recombine any settling. Allow to stand (or ingest) for 30 minutes before adding thinner or beginning application. Thinner also retards cure time. For best results, use just as it comes from the drum. However, thinner (use MEK) can be added to the product with no harm to the coating.

Any overspray and equipment must be cleaned immediately with acetone, toluene, xylene, or MEK.

FGI-121 HWY is 70% solids. Approx. Pot Life: 14 days at 90 F. Tack free time is 1 minute. Drive on time is 5 minutes, above 90 F is less time. Apply 14.3 mils (.014 inches or 0.363 mm) wet to achieve a final dry mil thickness of 10 mils (0.010 inches or 0.254 mm). FGI-121 HWY will cover approximately 340 linear feet 4 inches wide or 112 square feet (10.4 sq meters) per gallon at 10 dry mils (0.254 mm) thickness.

Use in well ventilated area; if not possible, use a NIOSH approved self contained breathing apparatus or vapor filters on a mask. Protective gloves and safety glasses must be worn at all times. Only very high abrasion will remove the coating. Caution: With the extreme adhesion characteristics of this product all safety procedures must be followed.

Storage Stability & Shelf Life

The shelf life of FGI-121 HWY is one year when stored in original, unopened container. Store cans in a well ventilated and covered area away from extreme heat and moisture. Please contact your FGI representative if you have any questions about product usability.

Additional information is available at www.fginternational.net

Health, safety and environmental information are provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. Before using the product other than directed, please contact FGI for consultation.

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