

FGI – 6500 H Corrosion Protection Coating

Unique Coatings – Extreme Results

Description

FGI – 6500H is an extremely unique ultimate performance corrosion protection coating. An epoxy resin polyamide coating especially developed to withstand extreme corrosive and abrasive conditions which quickly destroy conventional type protective paint coatings. FGI-6500H was originally developed to prevent corrosion to steel surfaces. The chemical, abrasion and undercreep resistance characteristics of this product have proven so outstanding that it is considered to be the least expensive method to prevent corrosion. This product has been in constant use for over 40 years in applications as diverse as offshore platforms to subways. FGI-6500H is designed for adhering to almost any clean surface including: aluminum, wood, metals of all types, concrete, plastic, brick, glass, and transites. The few surfaces FGI-6500H is not recommended for are Teflon, high-plasticized vinyls, polyethylene, and silicone rubber. FGI-6500H has excellent anti-corrosion qualities and hardness yet it remains extremely flexible so as not to crack. This is the ultimate corrosion protection on hot steam pipes that have much expansion and contraction of the metal. The flexibility of the FGI-6500H prevents it from cracking. Outdoor durability and color stability is excellent. FGI-6500H is extremely Weather, UV, Chemical, Salt, and Abrasion resistant providing for an unsurpassed durable wear surface with superior adhesion properties that promotes a nearly indestructible coating surface that also meets EPA regulations for Zero VOC's. FGI-6500H requires little surface preparation thus reducing the time, labor and the TOTAL cost of your project.

Another great benefit to the FGI-6500H is the unique properties that are incorporated into the product such as the following: **The FGI-6500H is a 100% solids** version of the FGI-6500. The FGI-6500H is best applied with a plural component spray pump, such as the Graco Extreme Mix or Hydra Cat systems. By using this type spray system the product will have a 10 to 15 minute cure time, thus making a short working time frame, typically imposed by the customer, very advantageous to the applicator, and thus being able to sell and finish projects you otherwise would have to walk away from. This works extremely well in production line or assembly line applications where long cure time has previously been a problem, but not any more. Fast cure time translates into a direct positive effect to your bottom line. And the 6500H is less expensive per square foot of coverage than the regular formulation of the 6500.

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

- Easy to Apply with Plural Component System for extremely fast cure time on Dry or Wet substrates
- Can be applied over Wet Surface and remain under water
- Very Little Prep Work over Rusty Metal
- UV, Weather, Chemical, Salt and Abrasion Resistant
- Extreme Adhesion to Substrate, adhering to almost any clean surface including: aluminum, wood, metals of all types, plastic, brick, glass, transites
- Extremely Durable Wear Surface
- No Top-Coat necessary
- Contains No Zinc, Lead or Chromates
- Typical Applications: Marine environments, structural steel, welding repair, scaffolds, automobiles, truck beds, tanks, pipes, industrial and farm equipment, lawn mowers, snow plows, air conditioner parts, concrete floors and walls, decks, stairs, steps, railings, walls and ceilings of subways and any metal surface.

Application Methods

The **FGI-6500H** is best applied with a plural component spray pump, such as the Graco Extreme Mix or Hydra Cat system. Mixing is done in the plural component system. The FGI-6500H has a mixing ratio of 2 to 1. Two parts BASE (part "B") and One part ACTIVATOR (part "A"). Use of thinner increases possibility of sag and reduces dry film thickness. Thinner also retards cure time. For best results, use just as it comes from the can.

If surface to be coated has chlorine ions, these must be neutralized with Chlor-Rid mixed into the pressure wash water. This is a rare occurrence but usually occurs around salt water.

Chlorine ion test will verify.

Surfaces should be free of loose rust, mill scale, paint, grease, oil and of any other film-forming foreign material. An example of the prep work needed is to water blast with high-pressure (3,000 psi MIN) water to thoroughly clean off all debris, dirt, and other contaminates. The result shall be to have a clean tight substrate. Optimum results are obtained if the surface is dry although entirely satisfactory protection is obtained if the surface is damp and/or wet. Surplus water should be removed to prevent excessive bubbling of the coating. No primer is needed on metal surfaces thereby reducing total job cost. Thinner also retards cure time. For best results, use just as it comes from the can. Any overspray and equipment must be cleaned immediately with acetone, toluene, xylene, or MEK.

FGI-6500H is 100% solids. Pot Life: Not applicable to plural component system. Cure time 10 to 15 minutes. Mileage will depend on the particular application. Apply 3 mils (.003 inches or 0.07mm) wet to achieve a final dry mil thickness of 3 mils (.003 inches or 0.07mm). FGI-6500H will cover approximately 535 square feet per gallon at 3 mils thickness. If second coat is needed, this second coat will cover any voids in the surface due to a very rough surface. Max of 10 mils (0.01 inches or 0.254 mm) can be applied per coat without runs if necessary. 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. Customers should consult FGI on all special requirement installations.

Storage Stability & Shelf Life

The shelf life of FGI- 6500H 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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