

FGI – 6300

Unique Coatings – Extreme Results

Description

FGI-6300 Poly-Ceramic coating was developed to provide dry film lubrication with heat release and extreme pressure properties. This coating resists wear, lubricates, and acts as an anti-seize agent while preventing corrosion. All of these properties are achieved with the **FGI-6300** while also being an ambient cure system.

The **FGI-6300** is well suited for components too large to bake. It is also suitable for field touch-ups of components and for in house applications that do not tolerate baking.

FGI-6300 is formulated using a unique ceramic backbone, which is able to withstand temperatures in excess of 800 degrees F. While many dry film lubricants are unsuited for these temperatures, the **FGI-6300** offers an excellent coefficient of friction at these extremes. **FGI-6300** can also handle pressures up to 350,000 psi.

FGI-6300 has excellent resistance to acids and alkali. FGI-6300 also will electrically insulate, while providing thermal dissipation and extreme abrasion resistance.

Application Methods

FGI - 6300 may be applied by standard spray equipment. Air or airless systems, electro-static spray or dip processing.

Features & Benefits

- **Weather, Chemical, Acids, Alkali and Abrasion Resistant**
- **Extreme Adhesion to Substrate, adhering to almost any clean surface.**
- **Extremely Durable Wear Surface**
- **No Top-Coat necessary**
- **Contains No Zinc, Lead or Chromates**
- **Solids by Weight: 45% +/- 2%**
- **Viscosity #2 Zahn Cup: 12 seconds**
- **Film Thickness: 0.5 to 1.0 mils dry film thickness**
- **VOC's : 0.0 lbs per gallon**
- **Pencil Scratch Hardness (ASTM D3363) : 9H @ .75 mil**
- **Adhesion Cross-Cut Tape (ASTM D3359): 5B**
- **Heat Stability: 1000 F**
- **Coverage Rate at 0.75 mil: 800 to 1000 sq ft.**

Storage Stability & Shelf Life

The shelf life of **FGI-6300** is six months from date of shipping when stored in original, unopened container. Store cans in a well ventilated and covered area. 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.

The information contained in this bulletin we believe to be correct to the best of our knowledge and testing. We recommend that you make adequate tests in your laboratory or plant to determine if this product meets all your requirements.

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