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## **GIANT COATINGS – POLYMER COATING** **FluoroPro52 (PTFE)**

Giant Coatings offers an excellent Polymer Coating option for the reduction of friction and wear on sealing surfaces as well as mating parts. FluoroPro52 prevents the need for conventional Lubricants as well as metal plating or the use of corrosion resistant alloys. FluoroPro52 offers lubrication and corrosion protection in some of the harshest environments.

The main advantages of our Polymer Coating are corrosion and friction control in a single coating. It is also designed for the tightest of tolerances in mating parts.

- Polymer Coatings resistance to corrosion and particle build-up improves equipment performance
- Polymer Coatings are typically applied at a thickness between 0.0005" to 0.0015"
- Coated layer is entirely built up on top of the original substrate
- Polymer PTFE binder is exceptionally durable against corrosive gasses.
- Recommended in chlorinated solvents.
- Non-stick properties allow for high release of asphaltenes, scale build up and protection against galling.
- Maximum operating temperature rating of 500F continuous
- Operating contact pressures up to 150,000psi

### **Typical Applications**

- API Valves
- API and ANSI valve stem
- CRA components for anti-galling
- API valve seat rings
- Swaging tools

