



## DYLON GRADE PX GRAPHPOXY HEAT CURABLE EPOXY BONDED GRAPHITE

### DESCRIPTION:

**Dylon Graphpoxy** is a convenient and easy to use single component heavy paste of graphite in a heat curing resin. No mixing with catalyst fillers or other chemicals is required. Exceptionally strong bonds are developed to metals, concrete, glass, plastic, wood and ceramics. Little shrinkage and no volatiles are produced during curing. The ready mixed paste has a shelf life in excess of 6 months at room temperature and over 1 year if kept refrigerated at 40°F (5°C) or below. The cured graphite produces an excellent long lasting, low friction lubricating surface with high thermal and good electrical conductivities. It may be cast into intricate shapes or placed in grooves, holes, sleeves, etc. When cured, it can be machined, drilled, threaded, sawed and buffed to a high finish. Useful from -67°F (-55°C) to 350°F (180°C). Tensile, flexural and compressive strengths are excellent and resistance to oils, greases, solvents and chemicals is exceptional.

### USES:

**Dylon Graphpoxy** is used to manufacture small graphite parts, to make heat sinks to coat and line vessels, fill grooves in bearings for permanent lubrication, form a well bonded thermally conductive body, fill porosity in metals to provide an electrically conductive surface for plating, etc.

### CHARACTERISTICS:

Filler:	Highly refined graphite	Consistency:	Thick paste
Binder:	Epoxy resin	Catalyst:	None required
Solids Content:	100%	Shelf Life:	6 months at 75°F
Density:	12.5 lbs./gal.		1 year at 40°F

### DIRECTIONS:

For maximum adhesion **Graphpoxy** must be applied to clean surfaces. All traces of oil, grease, soap film, paint, etc., must be removed before application. For best results surfaces should be solvent degreased, hand sanded, wire brushed, sand blasted or vapor blasted.

**Graphpoxy** is troweled onto the surface making sure no pockets of air bubbles are entrapped in the paste. Force the paste into grooves, holes and depressions and build surfaces slightly higher than the final desired height. The excess can be easily removed after curing. Small shapes are molded in the same manner by forcing the paste into the pattern with a spatula. Patterns should be coated with a silicone or Teflon release agent to facilitate removal. The weight of one part resting on another during curing is usually enough force to produce good bonding in parts that are to be joined with **Graphpoxy**.

**Graphpoxy** should be cured for 30 minutes at temperatures between 285°F and 315°F. The most durable properties are normally produced by curing at the higher temperatures. After curing, the parts may be machined by any of the common finishing methods.

### PACKAGING:

1 Gallon Pails

5 Gallon Pails



ISO 9001:2000 CERTIFIED

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