Ultra™
PLUS-NPG/ISO Brush Gelcoat

Ultra™ PLUS-NPG/ISO Brush gelcoat consists of an isophthalic acid-based, neopentyl glycol (NPG) resin system, superior ingredients, targeted additives and rigid quality control standards to yield a brush gelcoat with ease of application and elite performance.

Advantages:

- Shelf stability
- Excellent leveling
- Ease of application
- Flexural strength
- Crack resistance
- Chemical resistance
- Long term durability
- UV light stability
- Water/osmosis resistance

UNCURED GELCOAT PROPERTIES
(All properties based on 1.5% MEKP)

- Gel time @ 77°F (can be customized to your specifications within parameters required to maintain product integrity) ……12-16 minute
- Gel to peak……..……12-18 minute
- Visc. @77°F (LVF #4 @ 6rpm-cps) ……..3000 – 6000 cps
- Thix index (6/60)……..2.0-3.5
- Weight per gallon…….9.0 – 11.5 lbs
- Stability……..3 months @ 77°F
- Hegman grind ……..4 minimum
- Film cure @ 77°F …..……60 minutes
- Hide @ 15 mils (wet)……..complete
- Sag resistance……..10 - 15 mils

TYPICAL APPLICATIONS
Repair topcoat for marine, sanitaryware, recreational vehicles, and other FRP applications. Can also be used as an in-mold coating when constructing polyester reinforced fiberglass parts.

CURED GELCOAT PROPERTIES

- Flex elongation ASTM D790……1.5 - 2.2%
- HDT ASTM D648……..180 - 210°F

APPLICATION GUIDELINES

1. The gelcoat must be stirred/agitated preferably with an air-driven mixer or suitable alternative for a minimum of 10 minutes and a maximum of 30 minutes. Make sure the sides of the container are scrapped into the batch.
2. Ferro Ultra Brush Gelcoat is formulated to be applied like paint. High quality paintbrushes and rollers will yield the smoothest surface upon application.
3. The application site should be wiped clean of contaminants such as dust and debris.
4. Ferro recommends a catalyst loading of 1.5-2.5% MEKP and a working surface and gelcoat temperature of 77ºF or 25ºC.
5. Apply in smooth brush strokes yielding a wet film thickness of 10-12 mils (250-300 microns).
6. A second coat can be applied if desired after 90 minutes of applying the initial coat.
7. The coating should cure for a minimum of 4 hours before sanding and buffing if desired. Allowing to cure overnight is preferred.

Ferro gelcoats are intended for use under controlled industrial conditions and are not recommended to be used below 65ºF.

FERRO CORPORATION
Engineered Polymer Products

1301 North Flora Street
Plymouth, IN 46563-1395
Tel: 574-935-5131
Fax: 574-935-5278

FERRO