

Ferro Ultra Plus-NPG/ISO gelcoat

Ultra Plus-NPG/ISO gelcoat is suited for a broad range of high-quality, open-mold, lay-up applications including boats/yachts, swimming pools, sanitaryware, sinks, recreational vehicles, commercial/mass transit vehicles and industrial components.

Ultra Plus-NPG/ISO gelcoat utilizes an isophthalic, acid-based unsaturated polyester resin vehicle. (For resin vehicles containing a high level of neopentyl glycol [NPG], refer to Ultra 1-NPG gelcoat.)

While the relative advantages of NPG- and ISO-based resins vary by application and molder preferences, ISO resin is considered to offer the greatest chemical and water/osmosis resistance (NPG, the greatest shelf stability, ease of application and ease of repair.) (Please note that characteristics of the base resin can differ significantly from that of the final gelcoat formulation.)

Ultra Plus-NPG/ISO gelcoat for polyester laminate applications is comprised of the finest-quality pigments dispersed in an isophthalic acid-based, neopentyl glycol (NPG) resin system. Superior ingredients, together with perfected manufacturing techniques and rigid quality-control standards, optimize every feature you look for in a gelcoat:

- Shelf stability
- Easy application
- Color consistency
- Crack resistance
- Flexural strength
- Water/osmosis resistance
- Tear resistance
- Chemical resistance
- UV light stability
- Long-term durability

Uncured gelcoat properties

(All properties based on 1.5 percent MEKP)

- Gel time @77°F to your specifications (within parameters required to maintain product integrity)
- Gel to peak.....15-20 minutes
- Viscosity @77°F (LVF #4 @60 rpm).....2,300-2,900 cps
- Thix index (6/60).....5.0-6.0
- Weight per gallon.....9.8-10.8 lbs.
- Stability @150°F.....5 days minimum
- Hegman grind.....5 minimum
- Film cure @77°F.....40-60 minutes
- Hide @ 15 mils (wet).....complete
- Coverage.....approx. 80 sq.ft./gal., sprayed @20 mils (wet)

- Patchability.....good (Ferro patch booster recommended)

Typical applications

Marine, sanitaryware, recreational vehicles, and other open-mold, hand, lay-up applications.

Colors

An entire spectrum of custom colors is available on short notice. Using computer spectrophotometry, Ferro can match your color sample, or refer to complete files of OSHA, Munsel, Federal Standard 595 Series or Pantone® matching systems.

All orders are matched to Ferro standards or the retain of your approved custom color, ensuring identical color reproduction from order to order.