

Peridium® U90

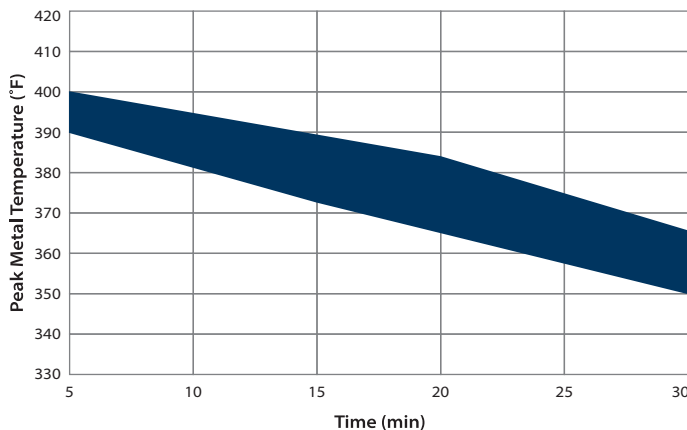
Standard Cure Urethane Polyester Powder Coatings

Peridium U90 Powder Coatings offer excellent application and performance characteristics. Diamond Vogel's focus on tightly controlled particle size distribution promotes ideal first-pass transfer efficiency. Peridium U90 provides good exterior durability and very good smoothness that can be applied at thin films.

TYPICAL APPLICATIONS

- Agricultural equipment
- Lawn and garden equipment
- Electrical enclosures
- Light fixtures
- Air conditioners
- Construction equipment
- Outdoor furniture
- Under the hood automotive
- Office furniture
- Rims and wheels

CURE SCHEDULE



- Typical cure schedule 10 minutes @ 390°F, peak metal temperature
- Cure range from 20 minutes @ 380°F to 7 minutes at 400°F, peak metal temperature

CURED FILM PROPERTIES

PCI Powder Smoothness Rating	7-9 (high gloss)
Specific Gravity (ASTM D792)	1.2 to 1.8
Adhesion (ASTM D3359)	5B (100%)
Gloss (ASTM D523)	30-99
Pencil Hardness (ASTM D3363)	2H+
Impact (ASTM D2794)	40-160 inch lbs
Flexibility (ASTM D522)	1/8 inch
Humidity (ASTM D2247)	1,000+ hours
Salt Spray (ASTM B117)	1,000+ hours

*Film properties are dependent on gloss, pigmentation, film thickness, and cure temperature.

STORAGE AND HANDLING

Diamond Vogel powder coatings should be stored at normal room temperature and humidity (less than 80°F and 50-60% RH). Shelf life will be approximately six months to over a year depending on storage conditions. Always rotate inventories to ensure trouble-free powder application. When storage conditions are not the same as the application area, allow a 24 hour acclimation period within the application area to prevent moisture condensation in the powder. Always protect virgin and reclaim powder from excessive heat and humidity.

INDUSTRIAL HYGIENE

Powder handling should always be done in conjunction with proper dust collection and personal protective equipment. Please refer to the Safety Data Sheet for more detailed information.