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## Peridium<sup>®</sup> U90 Standard Cure Urethane Polyester Powder Coatings

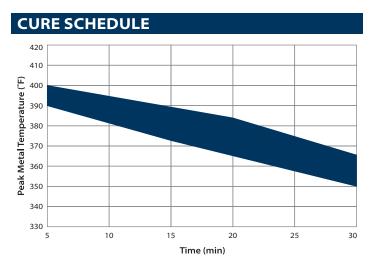
Peridium U90 Powder Coatings offer excellent application and performance characteristics. Diamond Vogel's focus on tightly controlled particle size distribution promotes ideal first-pass transfer efficiency. Peridium U90 provides good exterior durability and very good smoothness that can be applied at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

#### **TYPICAL APPLICATIONS**

Agricultural equipment

Electrical enclosures

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



- 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.

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