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## Peridium<sup>®</sup> T30 Ultimate Smoothness TGIC Polyester Powder Coatings

Peridium T30 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 T30 offers good exterior durability, high performance mechanical properties, overbake resistance, and premium flow for a very smooth appearance and high DOI.

#### **TYPICAL APPLICATIONS**

- Agricultural equipment
- Recreational equipment
- Construction equipment Lawn and garden equipment
- Electrical enclosures Wheels and rims
- Appliances Lawn furniture



- Typical cure schedule 10 minutes @ 390°F
- Cure range from 20 minutes @ 360°F to 5 minutes at 420°F

#### **CURED FILM PROPERTIES**

PCI Powder Smoothness Rating	8-9 (high gloss)
Specific Gravity (ASTM D792)	1.2 to 1.8
Adhesion (ASTM D3359)	5B (100%)
Gloss (ASTM D523)	15-99
Pencil Hardness (ASTM D3363)	2H+
Impact (ASTM D2794)	160+ inch lbs
Flexibility (ASTM D522)	1/8 inch - No cracking
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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