

Peridium® T50

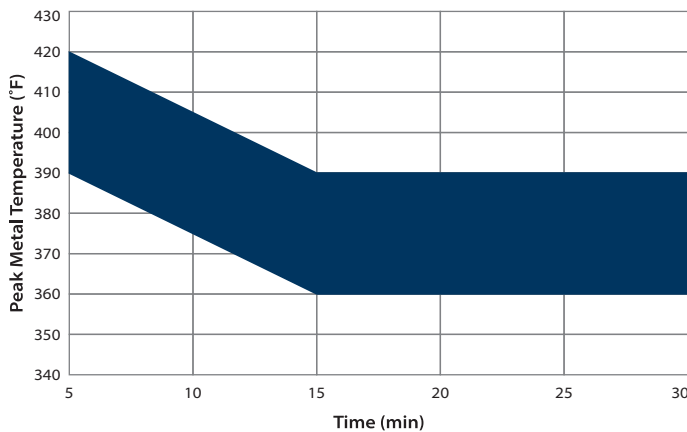
Ultimate Smoothness Super Durable TGIC Polyester Powder Coatings

Peridium T50 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 T50 offers high flow for outstanding smoothness, along with excellent long-term durability.

TYPICAL APPLICATIONS

- Agricultural equipment
- Lawn equipment
- Appliances
- Recreational equipment
- Electrical enclosures
- Lawn furniture

CURE SCHEDULE



- Typical cure schedule 10 minutes @ 390°F down to 20 minutes at 360°F, peak metal temperature
- Non-blooming

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) | 30-99 |
| Pencil Hardness (ASTM D3363) | H-2H |
| Impact (ASTM D2794) | up to 20 inch lbs |
| Flexibility (ASTM D522) | 1/4 inch |
| Humidity (ASTM D2247) | 750+ hours |
| Salt Spray (ASTM B117) | 750+ 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.