

Peridium® T40

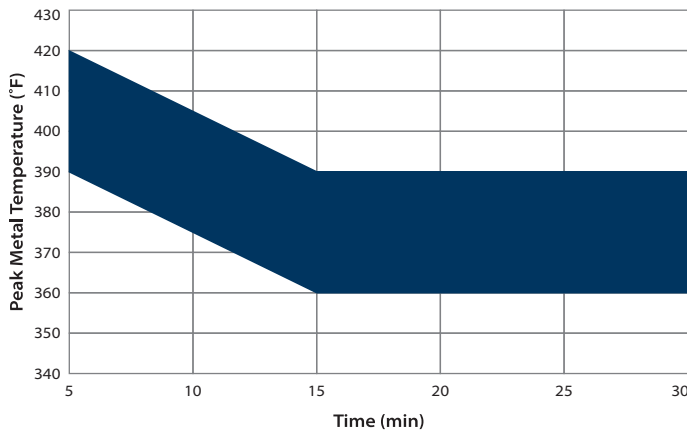
Regular Durable TGIC Polyester Powder Coatings

Peridium T40 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 T40 provides good exterior durability, high performance mechanical properties, and overbake resistance. This coating provides very good balance between smoothness and edge coverage while being economical.

TYPICAL APPLICATIONS

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

CURE SCHEDULE



- 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	6-8 (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)	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.