

## Peridium® T90

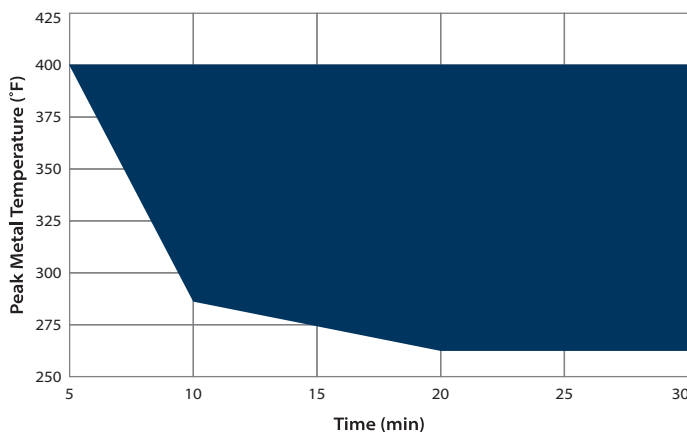
### Reduced Temperature Cure Super Durable TGIC Polyester Powder Coatings

**Peridium T90 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 T90 can be cured at temperatures under 300°F and offers a wide cure window, making it ideal for parts with different metal thicknesses. These coatings typically provide long-term exterior durability, are non-blooming, and have good over bake resistance.

#### TYPICAL APPLICATIONS

- Agricultural equipment
- Recreational equipment
- Wheels and rims
- Heat sensitive
- Construction equipment
- Lawn and garden equipment
- Heavy equipment
- Mixed metal mass parts

#### CURE SCHEDULE



- Typical cure schedule 10 minutes @ 300°F, peak metal temperature
- Cure range from 20 minutes @ 275°F to 5 minutes at 400°F, peak metal temperature
- Non-blooming

#### CURED FILM PROPERTIES

PCI Powder Smoothness Rating	4-6
Specific Gravity (ASTM D792)	1.2 to 1.8
Adhesion (ASTM D3359)	5B (100%)
Gloss (ASTM D523)	50-99
Pencil Hardness (ASTM D3363)	2H+
Impact (ASTM D2794)	10-160 inch lbs
Flexibility (ASTM D522)	1/4 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.