

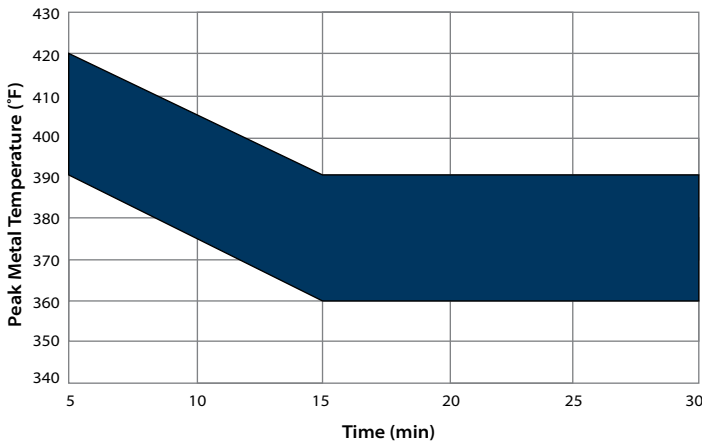
T80 Super Durable TGIC Polyester Powder Coatings

Diamond Vogel T-Series Powder Coatings offer excellent application and performance characteristics. Diamond Vogel's T-Series Powder Coatings' tightly controlled particle size distribution provides extremely good first-pass transfer efficiencies. The T80 TGIC polyester powder coating provides very good exterior durability and overbake resistance. This coating provides a good balance between smoothness and edge coverage while being economical.

TYPICAL APPLICATIONS

- Agricultural equipment
- Construction equipment
- Recreational equipment
- Lawn and garden equipment
- Electrical enclosures
- Patio Furniture
- Wheels and rims

CURE SCHEDULES



- Typical cure schedule 10 minutes @ 390°F
- Non-blooming

CURED FILM PROPERTIES

PCI Powder Smoothness Rating	6-7 (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)	up to 160 inch lbs
Flexibility (ASTM D522)	1/8 inch - No fracturing
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.