

Peridium[®] M40 Dead Flat Polyester Powder Coatings

Peridium M40 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 M40 offers a very low gloss, good burnish resistance, and provides good exterior durability.

TYPICAL APPLICATIONS

- Agricultural equipment
- Construction equipment
- Recreational equipmentWheels and rims
- Lawn and garden equipment
 Shelving

CURE SCHEDULE 430 420 ^oeak Metal Temperature (°F) 410 400 390 380 370 360 350 340 5 10 15 20 25 30 Time (min)

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

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)	<5
Pencil Hardness (ASTM D3363)	2H+
Impact (ASTM D2794)	10-60 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.

48377-DV (62373) 10/22

Diamond Vogel | Industrial Coatings 1020 Albany Place SE • Orange City, IA 51041 (712) 737-4993 • industrial@diamondvogel.com

diamondvogel.com/industrial

The technical data and suggestions for use contained in this document are true and correct to the best of our knowledge at the date of issuance. The statements of this document do not constitute a warranty, expressed or implied, as to the performance of these products. Since Diamond Vogel does not control the application of its products or the condition of the surfaces to which they are applied, Diamond Vogel's liability will under no circumstances exceed replacement of the route. All technical information is subject to change without notice.