

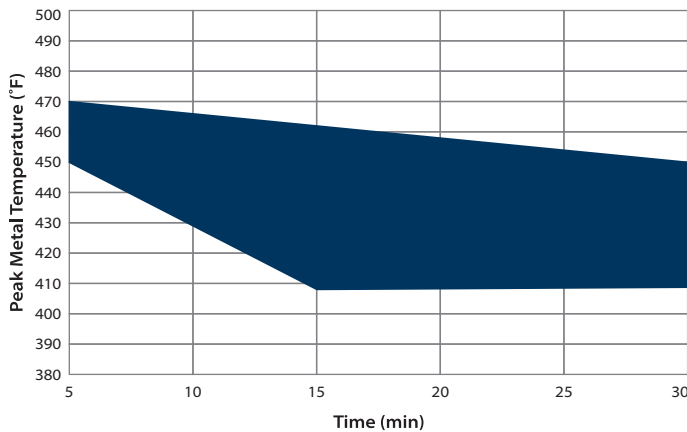
Peridium® S60 Hi-Heat Silicone Polyester Powder Coatings

Peridium S60 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 S60 offers increased resistance to color and sheen loss up to 600°F. Full curing and performance are not achieved until after the first hi-heat service cycle. This coating must be applied over a clean, blasted surface. The heat resistance is dependent on the time and temperature of the first hi-heat service cycle. Since every application is unique, testing should be performed under each specific service condition before use.

TYPICAL APPLICATIONS

- Grill frames
- Mufflers
- Grill components
- Enclosures

CURE SCHEDULE



- Typical cure schedule for initial cure 10 minutes @ 450°F, peak metal temperature
- Full cure is achieved after first hi-heat service cycle

CURED FILM PROPERTIES

PCI Powder Smoothness Rating	TEXTURE
Specific Gravity (ASTM D792)	1.5 to 1.8
Adhesion (ASTM D3359)	5B (100%)
Gloss (ASTM D523)	TEXTURE
Pencil Hardness (ASTM D3363)	2H+
Impact (ASTM D2794)	up to 20 inch lbs
Flexibility (ASTM D522)	1/4 inch
Humidity (ASTM D2247)	500+ hours
Salt Spray (ASTM B117)	500+ 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.