CERAKOTE®

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Cerakote® H-900 Electrical Barrier Ceramic Coating has been designed to provide a high-quality, long-lasting finish for parts requiring electrical insulation. **Cerakote® H-900 Electrical Barrier** is a durable, corrosion-resistant spray-on coating that provides unparalleled levels of adhesion and resistance to solvents and chemicals. The foundation for **Cerakote® H-Series** coatings is a unique ceramic technology that imparts both flexibility and excellent wear resistance to the final coating.

In addition to performance, this **Cerakote® H-Series** product is designed for ease of application. It is VOC-exempt and available as a two-component, oven-cure system. Refer to the H-Series Application Guide for specific product application instructions. Note: H- 900 is not intended to be applied to firearms. Please contact a Cerakote Coating Specialist for application assistance. **Cerakote® H-Series** Ceramic Coating is available in one distinct color (white) due to its unique performance formulation. Visit www.cerakote.com to view a complete listing of coatings.

Cerakote® H-900 Coating is recommended for components that require a low dielectric constant and/or a high voltage breakdown. Contact a Cerakote® sales representative to determine which coating is appropriate for your application.

H-900 Electrical Barrier

Gloss Level (18:1)*	8 Gloss Units at 60°
Theoretical Solids by Weight	51% +/- 2%
Theoretical Coverage per gallon at 1.0 mil	272 ft^2
Viscosity (Brookfield Viscometer)	155 cP
Recommended Film Thickness	3.0 mil
5% Salt Spray (ASTM B117)	TBD
Pencil Hardness (ASTM D3363)	9h
Scratch Hardness (ASTM D3363)	8h
Adhesion Cross-Cut Tape (ASTM D3359)	5B
Mandrel Bend (ASTM D522)	100% Resistance
Impact (ASTM D2794)	160/160 inch-lbs (No coating loss, but indirect fractures present)
Density (g/mL)	1.45
Maximum Temperature	
Coating	500°F+
Color	250°F
**Dielectric Strength (V/mil)	3000
**Corrected Dissipation Factor, D	0.006
**Dielectric Constant, k'	1.18

SHELF LIFE: 12 MONTHS FROM DATE OF SHIPMENT.

*Results based on coated blasted steel cured at 250ºF for 2 hours immediately after application.
**Testing completed by Intertek Plastic Technology Laboratories in Pittsfield, MA.