



## Technical Bulletin

### HRRS 10169 Black Ridge

<b>Description:</b>	<i>HRRS 10169, Black Ridge</i> is a thermosetting Polyester-Epoxy powder coating designed for interior applications.	
<b>Typical Powder Properties</b>	Specific Gravity (ASTM D5965-96, C)	1.55±0.03
	Theoretical Coverage	124 sq.ft./lb./mil
	Mass loss during the cure (ASTM D3451-92)	<1.0%
<b>Typical Physical Properties:</b>	Film Thickness	2.5-4.0 mil
	Gloss 60°angle (ASTM D-523-89)	10-20 (Visual)
	Hardness (ASTM D-3363-92A)	2H
	Flexibility (ASTM D-1737-89)	1/8 inch
	Adhesion (ASTM D-3359-95A)	5B (100%)
	Impact Direct/Indirect (ASTM D-2794-93)	160/160 in-lbs.
	Salt Spray (ASTM B117, 1000 hrs, Bonderite 1000 panel)	Rating 7 (creepage)
<b>Application Data:</b>	<i>HRRS 10169, Black Ridge</i> is to be applied with a corona electrostatic powder spray gun at between 60kv – 100 kV.	
<b>Cure Schedule:</b>	<i>HRRS 10169, Black Ridge</i> can be cured in a direct or indirect gas convection oven, an electric oven, or an Infrared. A combination of any of these ovens is also suitable.	
	<b>Standard Cure:</b>	10 minutes @ 375°F Peak Metal Temperature
<b>Storage:</b>	<i>HRRS 10169, Black Ridge</i> should be stored at temperatures below 80°F, in a dry area away from any heat source.	
<b>Notes:</b>	All tests were performed on Bonderite 1000, Iron Phosphate panels with a nominal film thickness of 2.0-3.0 mils. Please refer to the SDS for safety information.	

(rev. on 12/09/2021 by RKP)

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