

Columbia Coatings

# Technical Data Sheet

Columbia Coatings  
1173 Industrial Park Rd  
Columbia, TN 38401  
931-388-7730  
931-388-5573 FAX



|                |                  |
|----------------|------------------|
| <b>Number:</b> | HD902849         |
| <b>Name:</b>   | Brilliant Silver |
| <b>Type:</b>   | TGIC             |

## Powder Properties

|                              |                                      |
|------------------------------|--------------------------------------|
| <b>Specific Gravity</b>      | 1.65 ( $\pm$ 0.05) g/cm <sup>3</sup> |
| <b>Storage Temp</b>          | < 80°F (27°C) up to 1 year           |
| <b>Theoretical Coverage</b>  | 117 ft <sup>2</sup> /lb. @ 2 mils    |
| <b>Particle Distribution</b> | 25 - 50 MICRONS AVERAGE              |

## Coating Properties

|                        |   |
|------------------------|---|
| <b>Film Thickness</b>  | Recommended Film Thickness: 2 – 3 mils  |
| <b>Cure Schedule</b>   | Metal Temperature:<br>10 minutes @ 400°F (204°C)                                  |
| <b>Gloss Level</b>     | 60+% @ 60°  |
| <b>Pencil Hardness</b> | H-2H (ASTM D3363)   |
| <b>Flexibility</b>     | 100% (ASTM D522) (Conical Mandrel)  |
| <b>Adhesion</b>        | 4B (ASTM D3359)   |
| <b>Direct Impact</b>   | 160 in-lb. direct (ASTM D2794)  |
| <b>Reverse Impact</b>  | 160 in-lb. reverse (ASTM D2794)   |
| <b>Salt Spray</b>      | 1000 hrs. less than 1/16" in creepage over B-1000 treated test panels (ASTM B117) |

[www.columbiacoatings.com](http://www.columbiacoatings.com)