

Columbia Coatings

# Technical Data Sheet

Columbia Coatings  
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|                |            |
|----------------|------------|
| <b>Number:</b> | TC57200008 |
| <b>Name:</b>   | Black Ice  |
| <b>Type:</b>   | Polyester  |

## Powder Properties

|                              |   |
|------------------------------|---|
| <b>Specific Gravity</b>      | 1.2 – 1.8 g/cm <sup>3</sup>                         |
| <b>Storage Temp</b>          | 6 months @ 77°F (25°C)                              |
| <b>Theoretical Coverage</b>  | 51.5 ft <sup>2</sup> /lb. (11.1 m <sup>2</sup> /kg) |
| <b>Particle Distribution</b> | n/a   |

## Coating Properties

|                        |  |
|------------------------|--|
| <b>Film Thickness</b>  | Recommended Film Thickness: 2.5–3.5 mils                                       |
| <b>Cure Schedule</b>   | Metal Temperature:<br>10 minutes @ 400°F (204°C)<br>15 minutes @ 375°F (191°C) |
| <b>Gloss Level</b>     | 20% @ 60°  |
| <b>Pencil Hardness</b> | 2H minimum (ASTM D3363)  |
| <b>Flexibility</b>     | 1/8" (ASTM D522) (Conical Mandrel)   |
| <b>Adhesion</b>        | 5B (ASTM D3359)  |
| <b>Direct Impact</b>   | 80 in/lb. (ASTM D2794)   |
| <b>Reverse Impact</b>  | 80 in/lb. (ASTM D2794)   |
| <b>Salt Spray</b>      | 1/32 in (1mm) @ 500 hours (ASTM B117)  |

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