

Columbia Coatings

# Technical Data Sheet

Columbia Coatings  
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|                |            |
|----------------|------------|
| <b>Number:</b> | X5500044   |
| <b>Name:</b>   | Black Iron |
| <b>Type:</b>   | TGIC       |

## Powder Properties

|                              |                               |
|------------------------------|-------------------------------|
| <b>Specific Gravity</b>      | Approx. 1.5 g/cm <sup>3</sup> |
| <b>Storage Temp</b>          | < 77°F (25°C)                 |
| <b>Theoretical Coverage</b>  | 128 sq. ft/lb. @ 1 mil        |
| <b>Particle Distribution</b> | n/a                           |

## Coating Properties

|                        |  |
|------------------------|--|
| <b>Film Thickness</b>  | Recommended Film Thickness: 2–3 mils                           |
| <b>Cure Schedule</b>   | Metal Temperature:<br>10 minutes at 400°F (204°C)              |
| <b>Gloss Level</b>     | 0-10% @ 60°  |
| <b>Pencil Hardness</b> | H-2H (ASTM D3363)  |
| <b>Flexibility</b>     | 1/8" (ASTM D522) (Conical Mandrel)                             |
| <b>Adhesion</b>        | 5B (ASTM D3359)  |
| <b>Direct Impact</b>   | 160 in-lb. direct (ASTM D2794)                                 |
| <b>Reverse Impact</b>  | 160 in-lb. direct (ASTM D2794)                                 |
| <b>Salt Spray</b>      | 1000 Hrs. Pass <1/8" Scribe Creep<br>- No Blisters (ASTM B117) |
| <b>Humidity</b>        | 1000 Hrs.  |

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