

Columbia Coatings

# Technical Data Sheet

Columbia Coatings  
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**COLUMBIA**  
COATINGS

<b>Number:</b>	X1343090
<b>Name:</b>	Arctic Emerald
<b>Type:</b>	TGIC

## Powder Properties

<b>Specific Gravity</b>	1.63 ( $\pm$ 0.05) g/cm <sup>3</sup>
<b>Storage Temp</b>	< 80°F (27°C) up to 1 year
<b>Theoretical Coverage</b>	57.5 ft <sup>2</sup> /lb. @ 2 mils
<b>Particle Distribution</b>	25 - 50 MICRONS AVERAGE

## Coating Properties

<b>Film Thickness</b>	Recommended Film Thickness: 2.5–4.0 mils
<b>Cure Schedule</b>	Metal Temperature: 10 minutes @ 400°F (204°C)
<b>Gloss Level</b>	80% @ 60°
<b>Pencil Hardness</b>	2H (ASTM D3363)
<b>Flexibility</b>	100% (ASTM D522)
<b>Adhesion</b>	4B (ASTM D3359)
<b>Direct Impact</b>	60 in-lb. direct (ASTM D2794)
<b>Reverse Impact</b>	60 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)

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