



# Technical Data Sheet

**Product Number:** ZNB134090

**Product Name:** STARLIGHT BLACK BONDED 34090

**Chemistry:** Polyester Superdurable

**Date:** June 20, 2019

## ***Powder Properties***

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<b>ASTM D5965 (B)</b>	Specific Gravity	1.30± 0.05
<b>PCI TECHNICAL BRIEF #8</b>	Theoretical Coverage	147.8 ft <sup>2</sup> /lb/mil
	Shelf Life	12 months in climate controlled environment

## ***Film Characteristics***

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<b>ASTM D523</b>	Gloss @ 60°	90-100
<b>ASTM D3359 (B)</b>	Adhesion	5B Pass
<b>ASTM D3363</b>	Pencil Test (Scratch Hardness)	HB Pass
<b>ASTM D7091</b>	Recommended Film Thickness	2.5-3.5 mils
<b>PCI TECHNICAL BRIEF #20</b>	PCI Powder Smoothness	5
<b>ASTM D522 (A)</b>	Flexibility Mandrel	1/8" Pass
<b>ASTM D2794</b>	Impact (D/R)	120/120 in-lbs
<b>ASTM D5402</b>	MEK Resistance	50 Double Rubs
<b>ASTM B117</b>	Salt Spray	3,000 hours

## ***Application***

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Electrostatic Spray, Cold  
Substrate: 0.024 in CRS, 0.022 in Aluminum  
Pretreatment: Chromate

**Cure Schedule**  
(Time at Substrate Temperature)  
10 min @ 400°F

## ***Notes***

This product was designed to meet weathering requirements under AAMA 2604 "5 years south Florida with maximum Delta E < 5 (Hunter) and gloss retention > 30%".

American Standard Testing Method (ASTM)

Powder Coating Institute (PCI)

American Architectural Manufacturers Association (AAMA)

This report cannot be altered or changed without the authorization of the Quality Manager.

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