



# Technical Data Sheet

**Product Number: ZGR231710**

**Product Name: RAL 7046 TELEGRAY 2 RPSD POL. SD**

**Chemistry: Polyester Superdurable**

**Date: August 7, 2020**

## ***Powder Properties***

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<b>ASTM D5965 (B)</b>	Specific Gravity	1.45± 0.05
<b>PCI TECHNICAL BRIEF #8</b>	Theoretical Coverage	132.6 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°	80 - 100
<b>ASTM D3359 (B)</b>	Adhesion	5B Pass
<b>ASTM D3363</b>	Pencil Test (Scratch Hardness)	F Pass
<b>ASTM D7091(B)</b>	Recommended Film Thickness	2.0-3.0 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>	Indirect Impact	140 in-lbs
<b>ASTM D5402</b>	MEK Resistance	50 Double Rubs
<b>ASTM B117</b>	Salt Spray	3,000 hours
<b>ASTM G154</b>	UV Resistance	1,000 hours

## ***Application***

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Electrostatic Spray, Cold  
Substrate: 0.024 in. CRS, Aluminum  
Pretreatment: Bonderite ® 1000, Parcolene® 60, Chromate

**Cure Schedule**  
(Time at Substrate Temperature)  
10 min @ 375°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%".

Formulated to visually match RAL K7 international standards

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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