



Technical Data Sheet

Product Number: ZNR133617

Product Name: RAL 9005 JET BLACK RPSD POL. SD

Chemistry: POLYESTER SUPERDURABLE

Date: AUG 4, 2020

Powder Properties

| | | |
|----------------|----------------------|---|
| ASTM D5965 (B) | Specific Gravity | 1.35 ± 0.05 |
| ASTM D5965 (B) | Theoretical Coverage | 142.4 ft ² /lb/mil |
| | Shelf Life | 12 months in climate controlled environment |

Film Characteristics

| | | |
|-------------------------|--------------------------------|----------------|
| ASTM D523 | Gloss @ 60° | 80-100 |
| ASTM D3359 (B) | Adhesion | 5B Pass |
| ASTM D3363 | Pencil Test (Scratch Hardness) | F Pass |
| ASTM D1186 (B) | Recommended Film Thickness | 2.0-3.0 mils |
| PCI TECHNICAL BRIEF #20 | PCI Powder Smoothness | 5 |
| ASTM D522 (A) | Flexibility Mandrel | 1/8" |
| ASTM D2794 | Indirect Impact | 140 in/lbs |
| ASTM D5402 | MEK Resistance | 50 Double Rubs |
| ASTM B117 | Salt Spray | 3,000 hours |
| ASTM G154 | UV Resistance | 1,000 hours |

Application

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

Cure Schedule
(Time at Substrate Temperature)
10 minutes @ 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 visibly match RAL K7 international standards

American Standard Testing Method (ASTM)
Powder Coating Institute

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

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