Signature® 200 Coatings

Description:
Signature® 200 is a factory-applied and oven-baked protective coating used on GALVALUME®, galvanized steel or aluminum substrates. Signature 200 combines excellent physical characteristics and aesthetic values for metal panels and components. Its uses in architectural, industrial, commercial, residential and institutional metal construction are numerous. Signature 200 coatings are formulated for hardness and flexibility, making it a versatile and durable coating system when applied over a proprietary, corrosion-resistant primer.

Advantages:
Signature 200, a premium coating with proven, proprietary polymer and premium pigments. Signature 200 systems incorporate outstanding exterior durability, while affording superior coil line application and post-forming capabilities

Installation:
- Signature 200 is factory-applied over metal substrates using the coil coating process.
- Surfaces shall be chemically cleaned and pretreated according to EXCEPTIONAL Metals specifications to remove contaminants and provide acceptable corrosion resistance.
- Total dry film thickness of topcoat (Signature 200 protective coating and primer) is within the 0.9 - 1.05 range for coil-coated applications.
- The pretreated substrate is primed with 0.2 - 0.25 mil of a high performance primer.
- The Signature 200 protective coating is applied over the primed substrate at 0.7 - 0.8 mil.

Maintenance:
The factory applied finish of Signature 200 is baked-on coating designed to give trouble-free performance for years with little service required. However, mild detergents and/or mineral spirits are recommended for removal of surface dust and airborne chemical deposits. Air-dry touch-up paints are also available for repair of minor scratches.

BURNISHED SLATE SR .34 SRI 36	POLAR WHITE* SR .58 SRI 68	CHARCOAL GRAY SR .38 SRI 41	LIGHT STONE SR .56 SRI 66	RUSTIC RED SR .37 SRI 39
KOKO BROWN SR .35 SRI 37	FERN GREEN SR .29 SRI 29	COAL BLACK SR .34 SRI 35	HAWAIIAN BLUE SR .31 SRI 31	SOLAR WHITE SR .71 SRI 86

*Polar White is a Straight Polyester

Color:
Signature 200 coatings are available in a wide range of standard, field-proven colors. Special colors are available (minimum quantity requirements may apply) if approved by EXCEPTIONAL Metals. Polar White may not meet these specifications – please inquire.

Warranty:

The Signature 200 details and further warranty information are available at www.exceptionalmetals.com

Technical Data:
See chart on next page. Complete technical information and literature is available from EXCEPTIONAL Metals at information@exceptionalmetals.com or www.exceptionalmetals.com

Physical Properties:
Signature 200 is a thermoset coating consisting of a proprietary polyester resin modified by silicone resin intermediate. Signature 200 uses premium, proven-durability ceramic pigments which give superior exterior protection and resistance to chemical corrosion and ultraviolet radiation.

PHYSICAL PROPERTIES	Signature® 200	
Property	**Value**	**Test Designation**
Gloss @ 60° **Film Hardness** **Impact Resistance, 3x Metal Thickness**	20-80 F-Min (Eagle Turq.) No Adhesion Loss	ASTM D523 ASTM D3363 ASTM D2794
Cross-Hatch Adhesion	No Adhesion Loss	ASTM D3359
Formability: T-Bend **Abrasion Resistance, Falling Sand**	(1) Acceptable 35 ± 5 Liters	ASTM D4145 ASTM D968
ACCELERATED TESTS: **Humidity, 1,000 hrs.** **Dew Cycle Weatherometer, 200 Total Hours** **Salt Spray, 1,000 hrs.** **Chemical Spot Test**	 (2) Acceptable (3) Acceptable (4) Acceptable (5) Acceptable	 ASTM D2247 ASTM D3361 ASTM B117 ASTM D1308

(1) 2T to 4T, No loss of adhesion.
(2) No field blisters.
(3) ≤ 1/3-inch creep from scribe, few blisters, rating of 8.
(4) Chalk rating no less than 8. Color change, no more than 5ΔE Hunter units.
(5) 10% Hydrochloric acid solution 24 hours no visible changes. 25% sodium hydroxide, 1 hour test no visible change.

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