

Signature® 200 Specifications

SPECIFICATIONS

Product Name Signature® 200, a premium coating with proven, proprietary polymer and premium pigments.

Product Description

Use Signature® 200 is a factory-applied and oven-baked protective coating used on GALVALUME®, galvanized steel or aluminum substrate. 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.

Limitations Since Signature® 200 coatings require baking to cure, they cannot be field applied. Signature® 200 coatings are not approved for use on hot or cold rolled bare steel substrates intended for exterior exposure.

Composition and Materials 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.

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 manufacturer. Polar White may not meet these specifications – please inquire.

Installation The Signature® 200 system is factory applied over metal substrates using the coil coating process. Surfaces shall be chemically cleaned and pretreated according to manufacturers' 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. The Signature® 200 systems incorporate outstanding exterior durability, while affording superior coil line application and post-forming capabilities.

Warranty The Signature® 200 warranty is backed by the strictest production specifications and is one of the strongest in the industry. Details and further information are available by contacting the manufacturer.

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.

Technical Assistance Complete technical information and literature is available from manufacturer.

Signature® is a registered trademark of NCI Group, Inc. GALVALUME® is a registered trademark of BIEC International Inc.

TECHNICAL DATA

PHYSICAL PROPERTIES Signature® 200

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

(1) 2T to 4T, No loss of adhesion.

(2) No field blisters.

(3) ≤ 1/8 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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