Ceco Building Systems

Ceco Building Systems
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COLOR SELECTION CHART

Signature® 200

Siliconized Polyester

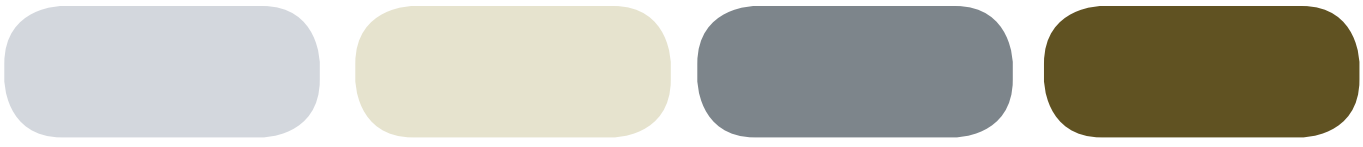
POLAR WHITE* | LIGHT STONE | ASH GRAY | SADDLE TAN

RUSTIC RED | HAWAIIAN BLUE | FERN GREEN | BURNISHED SLATE

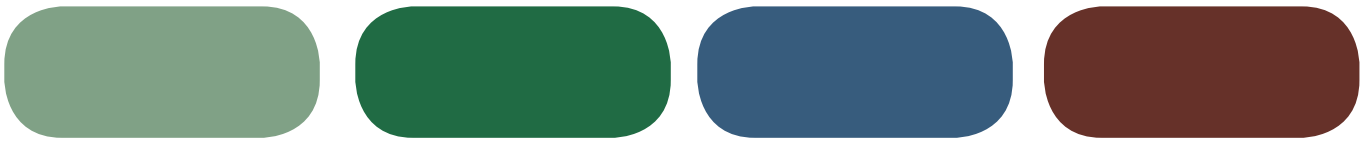
26 gauge material available in all colors • 25-year limited warranty available upon written request.
For warranty information outside the continental United States and Canada, please inquire.
*Polar White is a Straight Polyester.

Signature® 300

Kynar 500® / Hylar 5000®



SNOW WHITE | ALMOND | SLATE GRAY | MEDIUM BRONZE



NATURAL PATINA | CLASSIC GREEN | PACIFIC BLUE | COLONIAL RED

25-year limited warranty available upon written request. For warranty information outside the continental United States and Canada, please inquire.

Final selection should be made from actual color chips.

Signature® 200 Specifications

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

Product Description
Uses: Signature® 200 is a factory-applied and oven-baked protective coating used on GALVALUME® or galvanized steel 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.

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: Since color is integral to the overall appearance of building design, a full range of popular colors is available. In addition, custom colors can be provided (minimum quantity requirements may apply).

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 topcote (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 the manufacturer.

Technical Data/Physical Properties

PROPERTY & VALUE	TEST DESIGNATION
Performance Specification	
Specular Gloss: Signature® 200 systems are 25-50% at a glossmeter angle of 60°, per	ASTM D523-89
Pencil Hardness: Minimum Pencil Hardness, using Eagle Turquoise pencils, is F-2H.	ASTM D3363-05
Direct and Reverse Impact	
Adhesion: No visible paint removal with Scotch #610 cellophane tape after impact of 3x metal thickness inch-lbs.on Gardner Impact Tester.	ASTM D2794-93 (Not to include Galvalume® coating failure)
Abrasion Resistance: 40 liters minimum of falling sand.	ASTM D968-93
Bend Adhesion: No loss of adhesion with Scotch #610 cellophane tape when subjected to 2T diameter 180° bend test.	ASTM D4145-83 (Not to include Galvalume® coating failure)
Accelerated Tests	
Humidity: No blistering, cracking, peeling, loss of gloss or softening of finish after 1000 hrs. of exposure to 100 percent humidity at 100°F ± 5°F.	ASTM D2247-02
Salt Spray Resistance: 1000 hrs. exposure at 5% neutral salt spray, creep from scribe no more than 1/8" (3mm), few No.8 blisters when applied over properly cleaned and pretreated GALVALUME®, galvanized or aluminum substrate.	ASTM B117-03

Signature® 300 Specifications

Product Name
Signature® 300 - A premium fluoropolymer coating, produced with KYNAR 500® or HYLAR 5000® resin.

Product Description
Basic Uses: Signature® 300 coating is a long-life exterior finish for galvanized steel and GALVALUME®. The liquid coating is factory applied and oven baked on properly prepared and primed substrates. Signature® 300 coatings typically are used as exterior finishes for metal roof panels and wall panels. The building components can be post-formed from pre-coated coil stock.

Limitations: Since Signature® 300 coatings require baking to cure, they cannot be field applied.

Composition and Materials: Signature® 300 coatings are based on KYNAR 500® or HYLAR 5000® polyvinylidene fluoride (PVF2). They also are formulated with highly durable pigments and solvents blended for optimum application properties.

Color: Signature® 300 coatings are available in a wide range of standard, field-proven colors. In addition, custom colors can be provided (minimum quantity requirements may apply).

Technical Data (See Chart below.)

Installation
Signature® 300 coatings may be coil coated on HDG Steel, Aluminum or Galvalume Sub-strates that have been pretreated and primed according to manufacturer specifications. The entire system is applied in the factory and oven baked. Topcoat dry film thicknesses are within the 0.8-1.0 mil range (Note: which refers to the combination of primer and the Signature 300 protective coating) for coil coated applications. The pretreated substrate is primed with 0.2-0.25 mil of a high performance primer. The Signature 300 protective coating is applied over the primed substrate at 0.7-0.8 mil. The flexibility of the system permits coil-coated stock to be post-formed by either a roll former or press brake. All applicators of Signature® 300 coatings must have the approval of the manufacturer. A list of approved applicators is available upon request.

Warranty
The Signature® 300 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
Signature® 300 coatings are virtually maintenance free and non-staining. If necessary, surface residue may be easily removed by conventional cleaning solvents or detergents. Minor scratches may be touched-up with a specially formulated, field-applied coating of the same color.

Signature® 300 coatings can be used in conjunction with conventional sealants and caulking compounds. Mortar, plaster, etc., will neither adhere to nor stain the surface.

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

Technical Data/Physical Properties

PROPERTY	VALUE	TEST DESIGNATION
Gloss @ 60°	25-35	ASTM D523-89
Pencil Hardness	HB-Min. (Eagle Turq.)	ASTM D3363-05 (NCCA II-12) (2)
Post-Formability, 180° bend around 1/8-inch mandrel	(1) Acceptable	ASTM D522-93a
Adhesion	(2) Acceptable	ASTM D3359-02 (NCCA II-5)
Abrasion Resistance, Falling Sand	67 liters	ASTM D968-93
Accelerated Tests		
Weatherometer: 2,000 hr. exposure	(3) Acceptable	Fed. Test Meth. 6152; Fed. Std. 141a ASTM D822-89 or ASTM G-23-93
Humidity: 2,000 hrs. exposure @ 100% relative humidity	(4) Acceptable	ASTM D714-02, ASTM D2247-92
Salt Spray: 1,000 hrs. in 5% salt fog@ 95°F	(5) Acceptable	ASTM D714-02 (NCCA III-2)
Cyclic: Salt Fog/UV exposure	(6) Acceptable	ASTM D5894
Chemical Spot Test	(7) Acceptable	ASTM D308

NOTES:
(1) Flexible to point of metal rupture without coating rupture.

(2) No removal of finish after 1/16-inch cross-hatching to bare metal, to impact limits or point of metal rupture.

(3) No objectionable chalking, color change or adhesion loss.

(4) Rating of 10, no blistering, cracking per ASTM 1654.

(5) No more than 1/16-inch average creepage or loss of adhesion from scribed line rating of 10, no blistering.

(6) No more than 1/32 in. creepage or loss of adhesion from scribed line, rating of 10, no. blistering.

(7) 10% Hydrochloric acid solution 24 hrs no visible changes. 25%. Sodium hydroxide 1 hour test no color change, no blistering.

Descriptions and specifications contained herein were in effect at the time this publication was approved for printing.
We reserve the right to discontinue products at any time or change specifications and/or designs without notice and without incurring obligation.