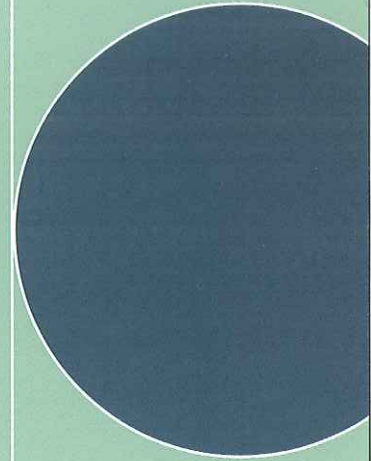
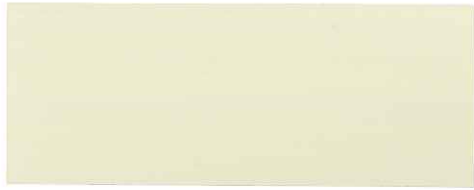
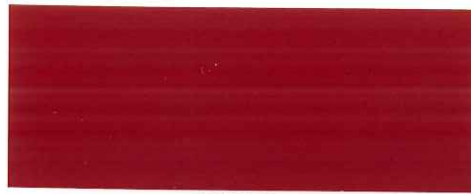


SIGNATURE® 300 • Low Gloss COOL STANDARD COLOR CHART





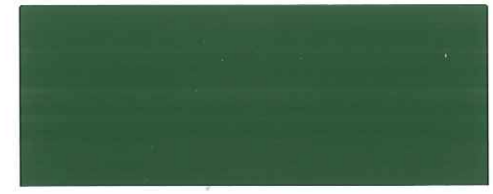
ALMOND
SR .63 SRI 76



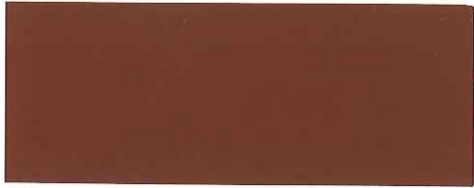
BRITE RED
SR .49 SRI 55



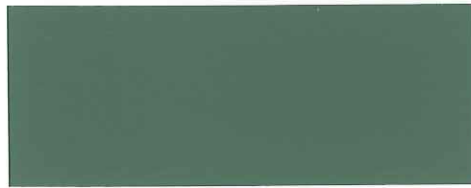
BROWNSTONE
SR .47 SRI 54



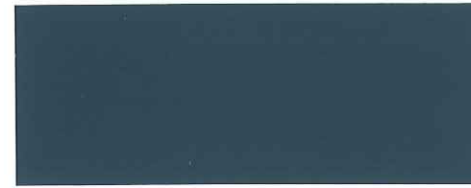
CLASSIC GREEN
SR .28 SRI 30



COLONIAL RED
SR .34 SRI 37



EVERGLADE
SR .33 SRI 36



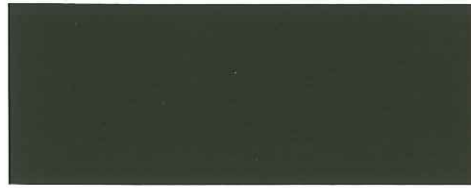
HARBOR BLUE
SR .28 SRI 30



HUNTER GREEN
SR .35 SRI 39



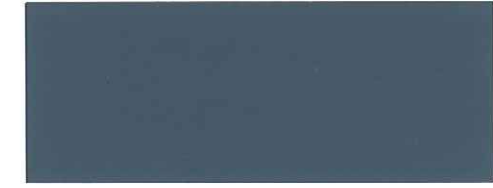
MEDIUM BRONZE
SR .33 SRI 36



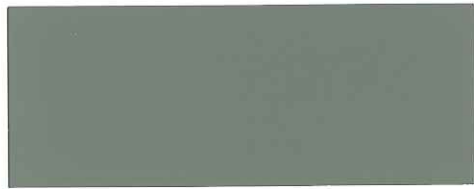
MIDNIGHT BRONZE
SR .29 SRI 31



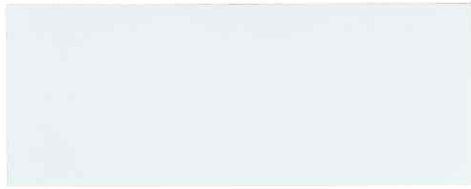
NATURAL PATINA
SR .41 SRI 47



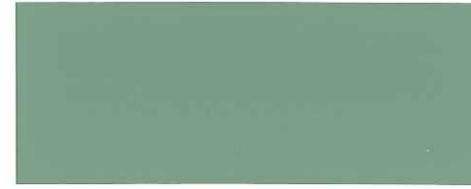
PACIFIC BLUE
SR .29 SRI 31



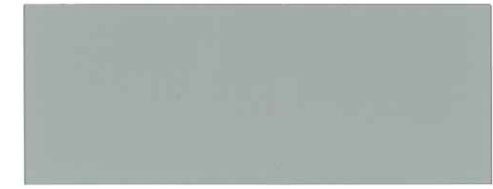
SLATE GRAY
SR .37 SRI 41



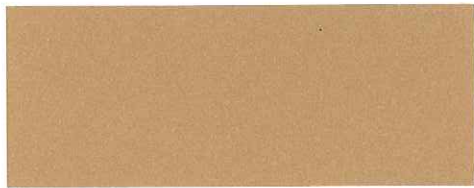
SNOW WHITE
SR .65 SRI 79



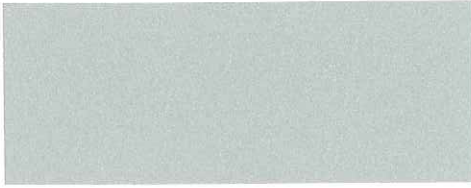
SPRUCE
SR .36 SRI 40



TUNDRA
SR .46 SRI 53



COPPER METALLIC
SR .45 SRI 51



SILVER METALLIC
SR .53 SRI 62

WHAT IS **Solar Reflectivity (SR)**?

Solar reflectivity or reflectance is the ability of a material to reflect solar energy from its surface back into the atmosphere. The SR value is a number from 0 to 1.0. A value of 0 indicates that the material absorbs all solar energy and a value of 1.0 indicates total reflectance. Energy Star® requires an SR value of 0.25 or higher for steep slope (above 2:12) roofing and an SR value of 0.65 or higher for low slope (2:12 or less) roofing. For more information, please go to www.energystar.gov.

WHAT IS **Solar Reflectance Index (SRI)**?

The SRI is used to determine compliance with LEED requirements and is calculated according to ASTM E 1980 using values for reflectance and emissivity. Emissivity is a material's ability to release absorbed energy. To meet LEED requirements, a roofing material must have an SRI of 29 or higher for steep slope (above 2:12) roofing and an SRI value of 78 or higher for low slope (2:12 or less) roofing. For more information, please go to www.usgbc.org.

Signature® 300 and Signature® 300 Metallic Specifications

Product Name

Signature® 300 and Signature® 300 Metallic - A premium fluoropolymer low-gloss coating, produced with KYNAR® 500 or HYLAR® 5000 resin.

Product Description

Basic Uses: Signature® 300 coatings are specified by leading architects and used by manufacturers of metal curtain wall and other building products as a long-life exterior finish for aluminum, 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 roofing, siding, louvers, fascia, curtain wall, spandrel paneling and column covers. 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. Signature® 300 coatings are not approved for use on hot or cold-rolled bare steel substrates intended for exterior exposure.

Composition and Materials Signature® 300 coatings are based on 70% KYNAR® 500 or HYLAR® 5000 PVDF fluoropolymer resin. They also are formulated with highly durable pigments and sol-

vents blended for optimum application properties.

Color: Signature® 300 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.

Technical Data

(See Chart below.)

Installation

Signature® 300 coatings may be coil coated on HDG steel, Aluminum or Galvalume® substrates 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 0.9 -1.1 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 - 0.30 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 applications 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 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 are available from the manufacturer. Signature® is a registered trademark of NCI Group, Inc. KYNAR 500® is a registered trademark of Arkema, Inc. HYLAR 5000® is a registered trademark of Solvay Solexis. For the most current information available, visit our website at cecobuildings.com. A 25-year limited warranty is available for all colors upon written request. Final selection should be made for actual color chips.

Technical Data

Physical Properties of Signature® 300		
PROPERTY	VALUE	TEST DESIGNATION
Gloss @ 85°	8 - 15	ASTM D523
Firm Hardness	HB-Min. (Eagle Turq.)	ASTM D3363 (NCCA II-12) (2)
Impact Resistance, .5" Ball Indenter, 3x Metal Thickness	(8) Acceptable	ASTM D2794
Formability:		
180° bend around 1/8" mandrel	(1) Acceptable	ASTM D522
Adhesion	(2) Acceptable	ASTM D3359 NCCA II-5)
Abrasion Resistance, Falling Stand	67 liters	ASTM D968
Accelerated Weathering, 5,000 hrs. exposure	(3) Acceptable	ASTM D4587, G53 OR G154
Humidity: 3,000 hrs.	(4) Acceptable	ASTM D2247, Apparatus A1
Salt Spray: 2,000 hrs.	(5) Acceptable	ASTM B117 (NCCA III-2)
Cyclic Salt Fog/UV exposure, 3,000 hrs.	(6) Acceptable	ASTM D5894
Chemical Spot Test	(7) Acceptable	ASTM D1308

- (1) No evidence of cracking, and no loss of adhesion to the point of metal 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 cracking, peeling, blistering, loss of adhesion or corrosion of base metal. Chalk rating of 8 per ASTM D4214. Color change less than 2 Δ E per ASTM D2244.
- (4) Rating of 10, no blistering, cracking, creepage or corrosion per ASTM D1654.
- (5) No more than 5/32-inch average creepage from scribed line rating of 7, field test rating of 8 per ASTM D1654.
- (6) No more than 1/32-inch creepage from scribed line, rating of 8. No blistering, rating of 10 per ASTM D1654.
- (7) 10% Hydrochloric acid solution 24 hrs. no visible changes. 25% sodium hydroxide 1 hr. test no color change, no blistering.
- (8) Reverse impact and direct impact, no cracking or loss of adhesion.

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.



Division Head Office | P.O. Box 6500, Columbus, MS 39703 | 1-800-474-2326 (CECO)
www.cecobuildings.com

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