



PRODUCT DESCRIPTION

FLUOROBRITE coil coatings are second-generation thermosetting fluoropolymer coatings designed to provide an automotive-quality finish with exceptionally bright colors and high gloss on non-architectural applications. They feature unique pigments that offer levels of color intensity, brightness and gloss that are unmatched by any other fluoropolymer coatings formulation on the market. FLUOROBRITE coatings offer excellent adhesion to a wide range of metal substrates, and are approved for use on properly cleaned and treated steel substrates such as G90 hot dip galvanized, Galvalume® and Zinalume®*. They are not intended for use on hot or cold rolled steel substrates for exterior exposure applications.

SYSTEM OVERVIEW

FLUOROBRITE coil coatings are two- or three-coat, fluoropolymer systems. The coatings are designed for use over properly cleaned and pretreated aluminum or clad steel substrates. FLUOROBRITE coil coatings cure chemically into a durable, inert fluoropolymer system to attain bright, vivid colors, and a wide range of gloss levels

(20 – 80%). FLUOROBRITE coatings offer a brilliant, low-maintenance finish that is resistant to marring and abrasion while providing excellent gloss and good color retention. FLUOROBRITE coil coatings require minimal maintenance with excellent field recoatability.

COMMERCIAL USES

FLUOROBRITE coil coatings have been formulated to provide exceptional visual appeal in a wide range of non-architectural applications. FLUOROBRITE coatings are available in a full palette of rich, vivid colors and a full range of glosses from satin to high luster. Based upon durability-

proven fluoropolymer chemistry, FLUOROBRITE coatings provide good color retention and hiding ability. Their exceptional versatility makes them an excellent choice for applications such as convenience stores, canopies, decks, signs, billboards, poles and many others.

DURABILITY

FLUOROBRITE coatings are formulated to provide excellent resistance to weathering and ultraviolet degradation. Their chemically inert composition makes them a good choice for use in industrial environments. FLUOROBRITE coatings

are highly resistant to marring and abrasion, withstand airborne pollution without staining or discoloring, and retain their excellent long term appearance. The coatings require little maintenance and can be easily cleaned with mild detergents.

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Zinalume is a registered trademark of BlueScope Steel Limited. Steelscape, Inc. holds exclusive rights to the Zinalume trademark within the U.S.



FLUOROBRITE SPECIFICATIONS	
Dry Film Thickness ASTM D1400	0.15-0.25 mil primer 0.70-0.80 mil color coat 0.60-0.70 mil clear coat
Gloss ASTM D523 @ 60°	<10-80
Pencil Hardness ASTM D3363	HB - H
Flexibility T-bend, ASTM D4145	1 T-bend; No pick-off (aluminum) 2 T-bend; No pick-off (steel)
Adhesion ASTM D3359 Reverse impact 1/16" crosshatch	No adhesion loss
Reverse Impact ASTM D2794 1500 x metal thickness (aluminum) 3000 x metal thickness (coated steel)	No cracking ¹ or pick-off No cracking or adhesion loss No cracking or adhesion loss
Abrasion — Falling Sand ASTM D968	50 liters min.
Acid Resistance ASTM D1308 10% muriatic acid — 15 minutes AAMA 620/621 nitric acid vapor — 30 minutes	No discoloration <5ΔE color change
Acid Rain Test Kesternich SO ₂ , DIN 50018	10 cycles min. No objectionable color change
Alkali Resistance ASTM D1308 10%, 25% NaOH, 1 hr.	No effect
Salt Spray Resistance ASTM B117, 1000 hrs. (steel) ASTM B117, 4000 hrs. (aluminum) 5% salt fog @ 95°F	1/8" max. average scribe creep. None or few #8 field blisters 1/16" max. average scribe creep. None or few #8 field blisters
Humidity Resistance ASTM D714, ASTM D2247, 1500 hrs. (steel) ASTM D714, ASTM D2247, 4000 hrs. (aluminum) 100% relative humidity @ 95°F	None or few #8 field blisters None or few #8 field blisters
Exterior Exposure 10 yrs. @ 45°, south Florida ASTM D2244 ASTM D4214 ASTM B244 (Erosion)	Max. 5 fade Max. 8 chalk <0.01 mils/year

¹ Excluding spangle cracking

FLUOROBRITE WARRANTY INFORMATION

PPG offers a comprehensive warranty on FLUOROBRITE coil coatings. For complete warranty information and a copy of the FLUOROBRITE coil coatings warranty, please call PPG at **1-800-258-6398**.

