



ILLUMIPON™ COIL COATINGS FROM SHERWIN-WILLIAMS

Meet Illumipon, our coating system featuring deep, rich shades ranging from low sheen to high gloss. Known for its eye-catching shades and unique effects, Illumipon can enhance brand recognition for both residential and commercial industries—restaurants, retailers, showrooms—through vibrant pops of color.

Illumipon is a fluoropolymer (FEVE) resin-based coating that is highly resistant to weathering, airborne chemicals, acid rain and most cleaning solvents used to remove graffiti. Additionally, Illumipon is available in two- and three-coat systems, and can be formulated in a wide range from low to high gloss levels up to 80.

■ Illumipon

This two-coat, solid color fluoropolymer formulation continually exceeds performance needs while maintaining its color and durability.

■ Illumipon Classic II

When a sparkly appearance is desired, this two-coat fluoropolymer system utilizes mica-based pigmentation to deliver a subtle or bold metallic appearance without the need for a clear coat.

■ Illumipon Effects

These two- to three-coat systems create unique, mesmerizing effects. Kameleon creates an eye-catching color shift and Nova offers an intense sparkle.

■ Illumipon Classic

This three-coat fluoropolymer system utilizes aluminum-based pigmentation that requires an added clear coat to achieve a bold, vibrant metallic effect.

■ Illumipon Premiere

When you want to make a statement with bold and bright colors, this three-coat system creates depth and beauty using bright pigments that require a clear coat for added protection against color chalk and fade.

■ Solar-Reflective (SR) and Gloss Levels

All coating systems can contain solar-reflective pigments, offering durability that resists heat absorption and aids in structure cooling. Available in low sheen and low gloss levels to high gloss levels up to 80 to make your project stand out.

BENEFITS

- Outstanding color consistency
- Protection against weathering, chalking and fading
- Exceptional resistance to airborne chemicals, acid rain and cleaning solvents
- Excellent overall adhesion
- Great flexibility and formability
- Resistant to most cleaning solvents used to remove graffiti

COLORS AND GLOSS

Illumipon coatings come in a wide range of colors, gloss levels and effects to bring your vision to life.

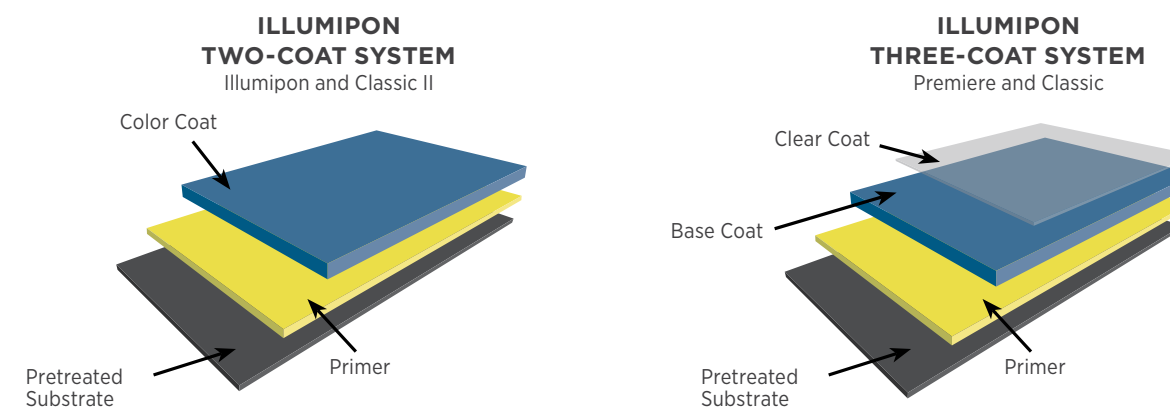
SUBSTRATES

May be applied to pretreated Galvalume®, aluminum and hot-dip galvanized (HDG) steel.

END-USES

Illumipon coatings are ideal for long-life external use on monumental, commercial and residential structures and preengineered buildings, including:

- Architectural and residential metal roofing and facade systems
- Composite and insulated metal wall panel systems
- Column covers, soffits, fascia, canopies and other light gauge metal systems



ILLUMIPON COIL COATING SYSTEM

COATING SYSTEM	Key Characteristics	Number of Coats	Dry Film Thickness (DFT)					Total DFT	Specular Gloss 60° +/-5 units of manufacturer's specification
			Meet or exceed 1.2 mils total						
			Primer	Color Coat	Clear Coat	Effects Coat	Backer		
ILLUMIPON	Solid Colors	Two-Coat	0.2-0.3 mils	0.7-0.8 mils			0.3-0.4 mils	1.2-1.5 mils	Low Sheen: 10 max Low Gloss: 8 - 15 Standard Gloss: 25 - 35 Medium Gloss: 40 - 50 High Gloss: 65+
ILLUMIPON CLASSIC II	Sparkle Effect Utilizing Mica-Based Pigmentation	Two-Coat	0.2-0.3 mils	0.7-0.8 mils			0.3-0.4 mils	1.2-1.5 mils	Low Sheen: 10 max Low Gloss: 8 - 15 Standard Gloss: 15 - 35 Medium Gloss: 40 - 50 High Gloss: 65+
ILLUMIPON CLASSIC	Metallic Utilizing Aluminum-Based Pigmentation	Three-Coat	0.2-0.3 mils	0.7-0.8 mils	0.4-0.5 mils		0.3-0.4 mils	1.6-2.0 mils	Low Sheen: 10 max Low Gloss: 8 - 15 Standard Gloss: 25 - 35 Medium Gloss: 40 - 50 High Gloss: 65+
ILLUMIPON PREMIERE	Bright, Vibrant Colors	Three-Coat	0.2-0.3 mils	0.7-0.8 mils	0.4-0.5 mils		0.3-0.4 mils	1.6-2.0 mils	Low Sheen: 10 max Low Gloss: 8 - 15 Standard Gloss: 25 - 35 Medium Gloss: 40 - 50 High Gloss: 65+
ILLUMIPON EFFECTS	High-Intensity Sparkle or Color-Shifting	Two-Coat, Three-Coat	0.2-0.3 mils	0.5-0.8 mils		0.8-0.9 mils	0.3-0.4 mils	1.8-2.4 mils	Low Sheen: 10 max Low Gloss: 8 - 15 Standard Gloss: 20 - 35 Medium Gloss: 40 - 50 High Gloss: 65+

COMMITMENT TO QUALITY

Our coatings are trusted and field-proven through rigorous testing, providing key benefits to our customers.

ILLUMIPON PERFORMANCE TESTING

Industry Specifications Compliance	Voluntary Specification, Performance Requirements and Test Procedures for High-Performing Organic Coatings on Aluminum Extrusions and Panels
Substrates	Pretreated substrates: Galvalume, HDG steel and Aluminum.

PHYSICAL TESTING	ASTM ¹ TEST METHOD	AAMA ² 621-02 AND 2605-20
Falling Sand Abrasion	ASTM D968	70 +/- 10 liters of sand per mil of coating
Film Adhesion	ASTM D3359	No removal of film under tape in the cross-hatched area (Dry, Wet, Boiling Water)
Surface Burning Characteristics	ASTM E 84	Flame Spread Index: Class A. Smoke Developed Index: Class A.
Graffiti Resistance	ASTM D6578/D6578M	Meets and exceeds
Humidity Resistance	ASTM D2247: 100% RH at 100° F	Aluminum: no field blisters (4,000 hours) Galvalume/HDG: no field blisters (2,000 hours)
Impact Resistance (direct)	ASTM D2794	Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion Galvalume/HDG: 3x metal thickness inch-pounds, no loss of adhesion
Pencil Hardness	ASTM D3363	F to H
Salt Spray	ASTM B117	Aluminum: Creep from scribe <= 1/16 inch (2mm), no field blisters - 3000 hours HDG/Galvalume: Creep from scribe <= 1/16 inch (2mm), no field blisters - 1,000 hours
Specular Gloss 60°	ASTM D523	5-80
T-Bends	ASTM D4145 ³	1T-3T, no loss of adhesion

WEATHERING	ASTM ¹ TEST METHOD	AAMA ² 621-02 AND 2605-20 REQUIRED TEST RESULT
South Florida Exposure Testing	ASTM G7	Florida exposure south of latitude 27 degrees north at a 45-degree angle facing south for a minimum of 10 years
Color	ASTM D2244	No more than 5Δ Hunter units at 20 years
Chalk	ASTM D4214	Number 8 rating at 20 years



Illumipon is not designed to bridge cracks in the substrate. Illumipon coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pre-treatment applications can lead to diminished flexibility.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at coil.sherwin.com. Illumipon™ is a trademark of The Sherwin-Williams Company. Galvalume® is a registered trademark of BIEC International, Inc.

¹American Society for Testing and Materials. ²AAMA 2605-20, a Fenestration and Glazing Industry Alliance (FGIA) Voluntary Specification. ³Illumipon is not designed to bridge cracks in the substrate. Illumipon coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pre-treatment applications can lead to diminished flexibility.

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DO YOU HAVE A UNIQUE APPLICATION?

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