ILLUMIPON™ FEVE COATINGS FROM SHERWIN-WILLIAMS

When your vision calls for a color that's rich, vibrant and glossy, our Illumipon™ coating systems deliver on all that and more. Featuring eye-catching shades, this coating is perfect for buildings with recognizable brand colors, like retailers, restaurants, showrooms and more.

With a wide range of colors from low gloss to high gloss, Illumipon can achieve any look you desire for your next project.

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 meets the rigors of AAMA2605, a Fenestration & Glazing Industry Alliance (FGIA) Voluntary Specification.

- **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 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.

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Coil Coatings

BENEFITS

- Outstanding color consistency
- Protection against weathering, chalking and fading
- Exceptional resistance to airborne chemicals, acid rain and cleaning solvents
- Excellent overall adhesion
- Superior hardness

COLORS AND GLOSS

Add a pop of color, high gloss and head-turning effects to your designs with our Illumipon systems.

SUBSTRATES

Illumipon extrusion coatings must be applied to pretreated aluminum panels and extrusions.

END USES

- Corporate facilities and architectural structures
- Restaurants, banks, auto dealerships, gas stations
- Architectural curtain walls, louvers and grills
- Aluminum panels and extrusions
- Architectural soffits, fascia, mullions and column covers
- Residential and architectural windows and skylights, plus door and access systems

ILLUMIPON EXTRUSION COATING SYSTEM

COATING SYSTEM	AAMA2605[1]-20 Requirements	Number of Coats	Dry Film Thickness (DFT) Meet or exceed 1.2 mils total			Total DFT:	Specular Gloss 60° +/-5 units of manufacturer's specification
			Primer	Color Coat	Clear Coat		
ILLUMIPON™	Solid Colors	2-Coat	0.2–0.4 mils	1.0-1.3 mils	–	1.2-1.7 mils	Standard: 25 to 35 Low Gloss: 5 to 15
ILLUMIPON™ CLASSIC II	Metallic Utilizing Mica-Based Pigmentation	2-Coat	0.3-0.5 mils	1.2-1.5 mils	–	1.5-2.0 mils	Standard: 15 to 25 Low Gloss: 5 to 15
ILLUMIPON™ CLASSIC	Metallic Utilizing Aluminum-Based Pigmentation	3-Coat	0.2-0.4 mils	1.2-1.5 mils	0.3-0.5 mils	1.7-2.4 mils	30 to 80
ILLUMIPON™ PREMIERE	Bright, Vibrant Colors	3-Coat	0.2-0.4 mils	1.0-1.3 mils	0.3-0.5 mils	1.5-2.2 mils	30 to 80

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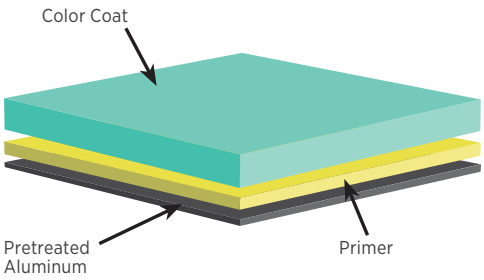
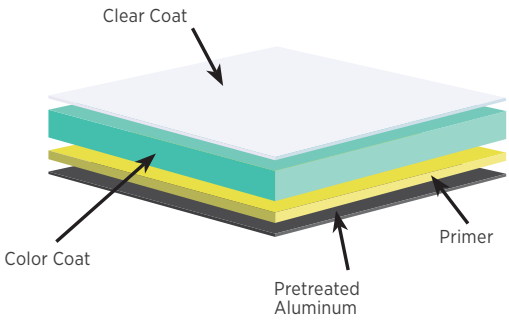
ILLUMIPON™ TWO-COAT SYSTEM
Illumipon and Classic II



ILLUMIPON™ THREE-COAT SYSTEM
Premiere and Classic



ILLUMIPON™ PERFORMANCE TESTING

Industry Specifications Compliance	**AAMA[1] 2605-20 Requirements**	Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels
Substrates	Pretreated Aluminum	Panels and Extrusions

PHYSICAL TESTING	ASTM[2] TEST METHOD	AAMA[1] 2605-20 REQUIRED TEST RESULT
Falling Sand Abrasion	ASTM D968	Up to 80 liters (+/-10) of sand per mil of coating
Film Adhesion	ASTM D3359, Method B	Meets level 4B classification (Less than 5% loss) (Dry, Wet, Boiling Water)
Surface Burning Characteristics	ASTM E84	Flame Spread Index: Class A. Smoke Developed Index: Class A.
Chemical Resistance	Mortar Resistance (ASTM C207), Muratic Acid (AAMA 2605-20 Sec. 8.7.1), Nitric Acid (ASTM D2244), Detergent Resistance (ASTM D2248), and Window Cleaner (AAMA 2605-20 Sec. 8.7.5)	No loss of adhesion, blistering or visually apparent change after exposure.
Humidity Resistance	ASTM D2247: 100% RH at 100° F for 4,000 hours	No more than "few" blisters; size 8
Impact Resistance (reverse)	ASTM D2794	No removal of film
Pencil Hardness	ASTM D3363	Minimum F
Specular Gloss 60°	ASTM D523	5–80
Cyclic Corrosion	ASTM G85, Annex 5, 2,000 hours	Creep from scribe or cut edge no more than 1/32nd to 1/16th (1-2m) minimum Rating 7. Field Blister Rating 8.

WEATHERING	ASTM[2] TEST METHOD	AAMA[1] 2605-20 REQUIRED TEST RESULT
South Florida Exposure	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	Less than or equal to 5ΔE units of color change at 10 years
Chalk	ASTM D4214	Greater than or equal to Number 8 rating at 10 years
Gloss Retention	ASTM D523	> or = 50% retention after 10 years exposure
Resistance to Erosion	ASTM B244	< 10% film loss after exposure

[1]AAMA2605-20, a Fenestration and Glazing Industry Alliance (FGIA) Voluntary Specification. [2]American Society for Testing and Materials.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at extrusion.sherwin.com. Illumipon™ is a trademark of SWIMC LLC.

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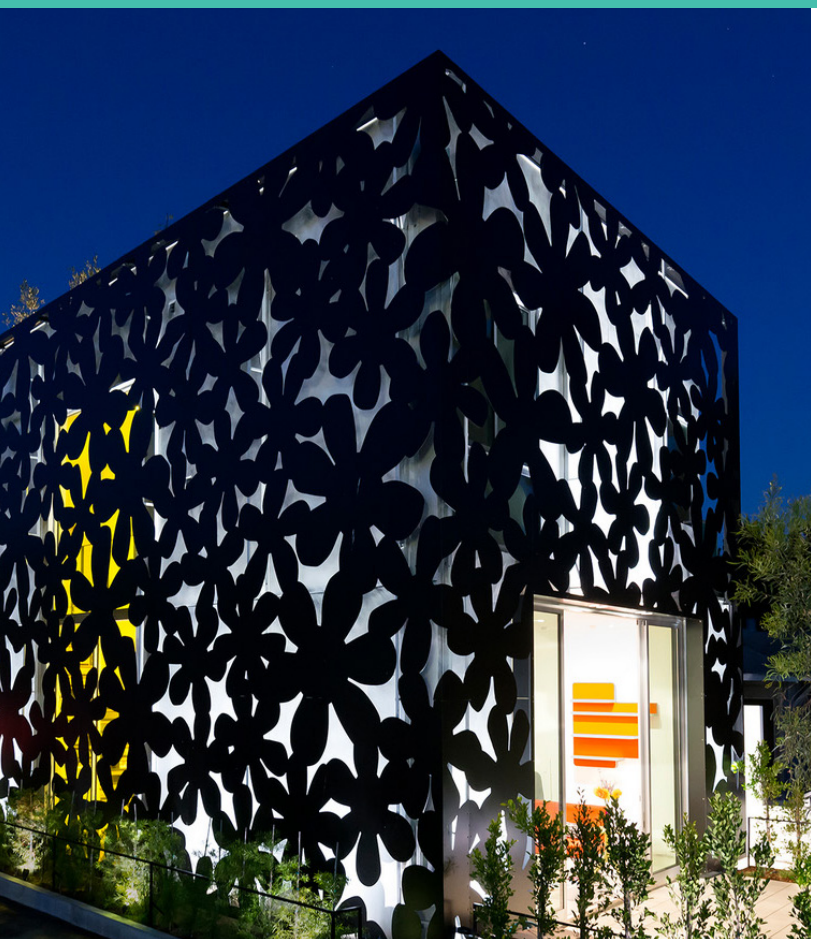
extrusion.sherwin.com or call (866) 351-6900



DO YOU HAVE A UNIQUE APPLICATION?

We'll work with you to find a solution. Want a unique color? We'll create it for you. Need a quick turnaround? Talk to us, and we'll help you get your project completed on time.

WE'RE HERE TO HELP

Contact us and see how we can help with your next project.

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