



COIL COATING SYSTEMS



www.vulcansteel.com
1-800-258-3369

COIL AND EXTRUSION COATINGS 101

High-quality coating applications allow your projects to stand out. At Sherwin-Williams Coil Coatings, we not only deliver effective solutions but we also offer you access to continuous education on the world of coil and extrusion coatings.

WHAT IS A COATING?

Coatings are comprised of four principal ingredients: resins, pigments, solvents, and additives. The percentage of each item can change depending on the coatings' final application and color. Below is an example of one of the many combinations.

15% **PIGMENTS** provide color, hiding, and chemical resistance

35% **RESINS** bind pigments to the substrate and provide weather resistance properties

50% **SOLVENTS** are the vehicle by which the solids are transported to the substrate

ADDITIVES are any number of chemicals supplementing the coating - usually in small amounts to produce special effects



SHERWIN-WILLIAMS.
Coil Coatings

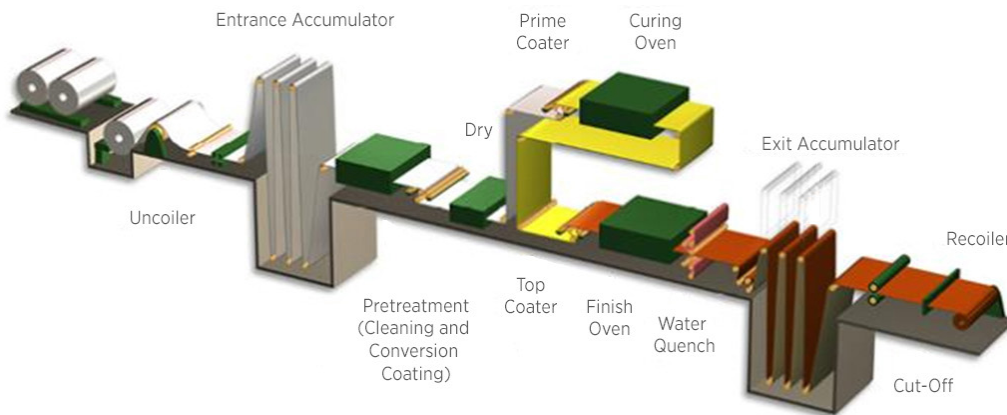
COIL AND EXTRUSION COATINGS 101

COATING PROCESSES

As a leader in the industry, Sherwin-Williams develops protective coil and extrusion coatings, which are applied during automated processes.

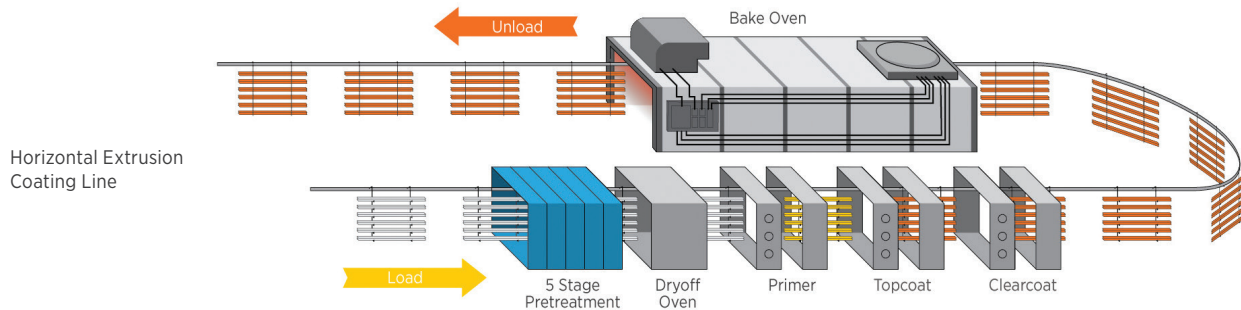
COIL: CONTINUOUS COIL

Coil coatings are applied to coil formed metal sheets by a continuous, automated process that can happen at up to 700 feet per minute. Coil is unwound, cleaned, treated, primed, painted, and baked before being recoiled for shipment.



EXTRUSION: HORIZONTAL OR VERTICAL LINES

Extrusion coatings are applied in a manufacturing process that consists of cleaning and pretreating aluminum preformed extrusions, going through a spray process, and then thermally curing the metal coating system for it to set.



COIL AND EXTRUSION COATINGS 101



COATED PRODUCT APPLICATIONS

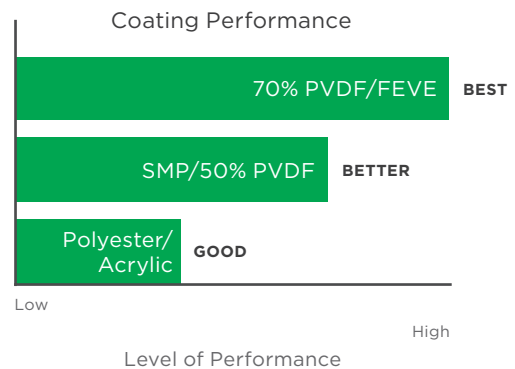
	AAMA 2603 Commercial/Industrial/ Condominium	AAMA 2604 High-Rise Commercial/ Condominium	AAMA 2605 High-Rise Monumental/ High-End Residential
Roofing Panels - Coil	•	•	•
Window, Door Frames - Extrusion	•	•	•
Store Fronts - Extrusion		•	•
Curtain Wall - Extrusion		•	•
Wall Panels - Coil and Extrusion	•	•	•
Interior Extrusions and Panels	•		

NO LIMIT TO THE NUMBER OF APPLICATIONS:

Without coating services, metal products would have a very different look. Metal Building Components is just one industry segment for coated metal coils or extrusions; Appliance, HVAC, Lighting & Furniture, Transportation, Door: Entry & Garage, and Interior Applications are additional segments that have coated metal products.

RESIN TYPES

The primary function of resin is to act as the binder in a paint formulation by binding all of the components together. It is the source for a coatings' durability and physical properties. It increases the physical strength and chemical resistance of the coating film, and allows for the curing process to occur while paint is drying.



COIL AND EXTRUSION COATINGS 101

PIGMENTS

Pigments are a key ingredient that can make or break a coating, because it provides the coating's color and function. The pigment component in any formulation can either enhance or degrade the overall performance of the protective color coating. Pigments are added to paint to provide color and can be blended to create a desired color to suit the aesthetics of an application.

ORGANIC PIGMENTS:

Natural, very bright appearance, but have a low resistance to fade. Poor weathering

INORGANIC (CERAMIC) PIGMENT:

Made of metal oxides and mixed metal oxides that have high resistance to fade. Excellent weathering



COATING PERFORMANCE

Exposure to the sun (ultraviolet light), moisture and humidity, high temperatures, and temperature fluctuations can lead to color changes, chalking, blistering, corrosion, and many other physical alterations on the protective metal coating.

WEATHER TESTING

There are two key approaches to weather testing: long-term natural exterior weather exposure and laboratory accelerated weathering. Each of these testing approaches verifies performance, application, weathering, and appearance of our sample panels. Tests and evaluations are performed to appropriate industry association standards by Sherwin-Williams technical experts.



ACCELERATED TESTING

Special environmental cabinets and instruments are used to speed up the weathering process and measure its effects under extreme conditions.

NATURAL EXPOSURE

Exterior weather exposure (natural weathering) involves placing sample panels on inclined open racks, orientated towards the sun at a 45-degree angle and in a southerly direction. This angle ensures full UV exposure.

COIL AND EXTRUSION COATINGS 101

TESTING STANDARDS

WHAT IS ASTM?

ASTM International, formerly known as the American Society for Testing and Materials (ASTM), is a globally recognized leader in the development and delivery of international voluntary consensus standards. ASTM standards help level the playing field so that businesses of all sizes can better compete in the global economy. For more information, visit www.astm.org.

WHAT IS AAMA?

American Architectural Manufacturers Association (AAMA) stands as a strong advocate for manufacturers and professionals in the fenestration industry and is dedicated to the promotion of quality window, door, curtain wall, storefront, and skylight products. They work to improve product, material, and component performance standards. For more information, visit www.aamanet.org.

OTHER ASSOCIATIONS

Sherwin-Williams prioritizes sustainable practices. We are a proud member of the following organizations: ENERGY STAR®, U.S. Green Building Council, LEED, ILFI (International Living Future Institute) and Cool Roof Rating Council.

COATING CHALLENGES

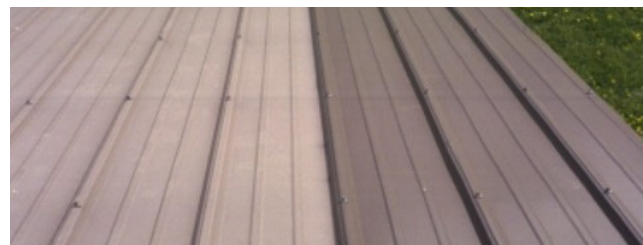
CHALKING

Chalking is caused by degradation of the resin system at the surface of the finish, due to exposure to ultraviolet (UV) rays. As the resin system breaks down, resin particles take on a white appearance and imbedded pigment particles lose their adhesion to the film.



FADING

Fading is caused by UV and hydrolytic degradation of the resin system. Organic pigments may also deteriorate if they are present in the color. This is calculated using Delta E values - a single number that represents the distance between two colors.



GLOSS RETENTION

Gloss refers to a coating's ability to reflect light without it scattering. Direct UV exposure can degrade the luster of the top coat.





FLUROPON® 70% PVDF COATINGS FROM SHERWIN-WILLIAMS

Sherwin-Williams® is chosen more often than any other brands of PVDF-based coatings. For PVDF exterior metal coatings systems, none is more trusted than our premium Fluoropon coatings, which are fluoropolymer, containing 70% polyvinylidene difluoride (PVDF) resins. Field- and time- proven, they meet or exceed the most rigorous ASTM performance standards.

KEEP YOUR PROJECT LOOKING BEAUTIFUL

The long-lasting beauty of your project goes hand in hand with its durability.

■ Fluoropon

Our flagship coating. Its excellent performance is a direct result of Sherwin-Williams' innovative technology—a two-coat fluoropolymer formulation that continually exceeds performance needs while maintaining its color and durability long into the future.

■ Fluoropon Classic II

When a sparkle 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.

■ Fluoropon Classic

Take vibrancy to a new performance level with a special metallic effect color coat and a clear coat for added shine and protection, making this three-coat system gleam.

■ Fluoropon Low-Gloss

A low gloss finish is a unique exterior finish that gives your building a distinctively matte appearance.

■ Fluoropon Low-Sheen

A low sheen coating gives you a flat or "satin" finish. This two-coat system will make your project stand out.

■ Fluoropon Premiere

Need to make a statement with bold and bright colors? This three-coat system is designed to bring out depth and beauty of bright pigments with a clear coat for added protection.

■ Fluoropon Solar-Reflective (SR)

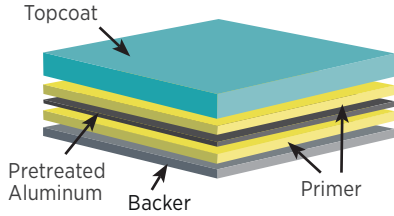
Fluoropon SR contains solar-reflective pigments, offering durability that resists heat absorption and aids in structure cooling. We have thousands of SR's energy efficiency coatings that meet ENERGY STAR®, LEED® and CRRC performance requirements.

■ Fluoropon Effects

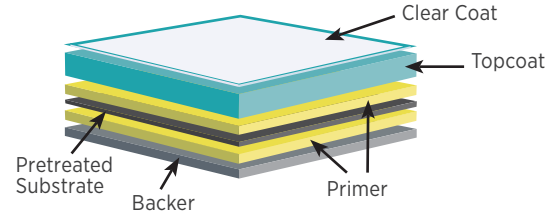
Fluoropon Effects transform the concept of color with innovative new palettes that have never before been achieved in 70% PVDF coating systems. These two- to three-coat systems create unique, mesmerizing effects. Kameleon creates an eye-catching color shift; Nova offers an intense sparkle; and Rustica features a nature-inspired color palette.



**FLUROPON®
TWO-COAT SYSTEM**
Fluropon, Classic II, Low Gloss, Low Sheen
and Solar Reflective (SR)



**FLUROPON®
THREE-COAT SYSTEM**
Classic and Premiere



COMMITMENT TO QUALITY

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

COATING SYSTEM	Key Characteristics	Number of Coats	Dry Film Thickness (DFT)				Total Topside DFT:	Backer	Specular Gloss 60° +/-5 units of manufacturer's specification
			Primer	Top Coat	Clear Coat	Fluropon® Effects Coat			
FLUROPON®	Solid Colors	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.3-0.4 mils	20-35
FLUROPON CLASSIC II	Metallic Utilizing Mica-Based Pigmentation	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.3-0.4 mils	15-30
FLUROPON CLASSIC	Metallic Utilizing Aluminum-Based Pigmentation	3-Coat	0.2-0.3 mils	0.7-0.8 mils	0.4-0.5 mils		1.3-1.7 mils	0.3-0.4 mils	25-40
FLUROPON PREMIERE	Bright, Vibrant Colors	3-Coat	0.2-0.3 mils	0.7-0.8 mils	0.4-0.5 mils		1.3-1.6 mils	0.3-0.4 mils	25-40
LOW-GLOSS	Matte Finish	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.3-0.4 mils	8-15
LOW-SHEEN	Flat or "Satin" Finish	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.3-0.4 mils	10° maximum
SOLAR REFLECTIVE (SR)	Solar-reflective pigments	2-Coat	0.2-0.3 mils	0.7-0.8 mils	—		0.9-1.1 mils	0.3-0.4 mils	20-35
FLUROPON EFFECTS RUSTICA	Saturated Metallic Color Collection	2-Coat 3-Coat	0.2-0.3 mils			0.7-0.8 mils	0.9-1.1 mils	0.3-0.4 mils	15-30
FLUROPON EFFECTS NOVA	High-Intensity Sparkle	3-Coat	0.2-0.3 mils	0.7-0.8 mils		0.8-0.9 mils	1.7-2.1 mils	0.3-0.4 mils	40-60
FLUROPON EFFECTS KAMELEON	Color-Shifting	3-Coat	0.2-0.3 mils	0.5-0.6 mils		0.8-0.9 mils	1.5-1.9 mils	0.3-0.4 mils	30-60

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

Galvalume® is a registered trademark of BIEC International, Inc.

Sherwin-Williams makes no warranties, expressed or implied, and disclaims all implied warranties including warranties of merchantability or fitness for a particular use. Sherwin-Williams will not be liable for any special, incidental or consequential damages.
© 2018 Sherwin-Williams. All Rights Reserved.



BENEFITS

- Superior resistance to ultraviolet rays
- Outstanding color retention and consistency
- Excellent overall adhesion
- Great flexibility and formability
- High film integrity

COLORS

Our Fluropon systems are available in a wide range of colors, sheens, gloss levels and special effects to achieve nearly any look you can dream up.

SUBSTRATES

Fluropon coatings may be applied to a number of pretreated substrates including: Galvalume®, Hot-Dipped Galvanized (HDG) steel and aluminum.

END USES

All Fluropon coatings are ideal for external use on monumental, commercial, residential structures and pre-engineered buildings, including:

- Architectural and residential metal roofing systems
- Composite and insulated metal wall panel systems

FLUROPON PERFORMANCE TESTING

Industry Specifications Compliance	AAMA¹ 621-02 Requirements AAMA 2605-17A Requirements	Voluntary Specification, for High Performance Organic Coatings on Coil Coated Architectural Hot Dipped Galvanized (HDG) and Zinc-Aluminum Coated Steel Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels (Coil Coating appendix)
Substrates	Pretreated substrates: Galvalume®, Hot-Dipped Galvanized (HDG) steel and Aluminum.	

PHYSICAL TESTING	ASTM ² TEST METHOD	AAMA 621-02 & 2605-17A REQUIRED TEST RESULT
Falling Sand Abrasion	ASTM D 968	65 ± 10 liters
Film Adhesion	ASTM D 3359	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 D 6578/D 6578M	Meets and exceeds
Humidity Resistance	ASTM D 2247: 100% RH at 100° F for 1,000 hours 100% RH at 100° F for 2,000 hours 100% RH at 100° F for 3,000 hours	Kameleon: Galvalume or HDG: Rating 8, no more than a few field blisters. Rustica: No field blisters. Galvalume or HDG: No field blisters Aluminum: No field blisters
Impact Resistance (Direct)	ASTM D 2794	Galvalume or HDG: 3x metal thickness inch-pounds, no loss of adhesion Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion.
Pencil Hardness	ASTM D 3363	Fluropon®, Classic II, Low Gloss, Low Sheen, SR, Rustica: HB to 2H Premiere, Classic, Nova, Kameleon: HB to H
Salt Spray	ASTM B 117: 1,000 Hours 3,000 Hours	Fluropon, Classic II, Premiere, Low Gloss, Low Sheen, SR, Rustica, Nova, Kameleon: Galvalume or HDG: Creep from scribe ≤ 1/16" (2mm), no field blisters. Classic: Galvalume or HDG: Creep from scribe ≤ 1/32" (1mm), no blisters. Fluropon, Classic II, Low Gloss, Low Sheen, SR, Rustica, Nova, Kameleon: Aluminum: Creep from scribe ≤ 1/16" (2mm), no field blisters. Premiere, Classic: Aluminum: Creep from scribe ≤ 1/32" (1mm), no blisters.
T-Bends	ASTM D 4145 ³	T-3T, no loss of adhesion

SOUTH FLORIDA EXPOSURE TESTING

ASTM TEST METHOD	AAMA 621-02 & 2605-17A REQUIRED TEST RESULT	
Color	ASTM D 2244	No more than 5Δ Hunter units at 20 years.
Chalk	ASTM D 4214	Rating no less than 8 at 20 years. Kameleon: Rating no less than 8 at 10 years.
Film Integrity	ASTM G7	25 years
Erosion Resistance	ASTM D 662	10% - 15%.

¹American Architectural Manufacturers Association. ²American Society for Testing and Materials. ³Fluropon is not designed to bridge cracks in the substrate. Fluropon coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pretreatment applications can lead to diminished flexibility.



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

Give us a call and see how we can help with your next project.

coil.sherwin.com

coilhelp@sherwin.com

(866) 306-2645



SHERWIN-WILLIAMS
Coil Coatings



MEET WEATHERXL™ AND WEATHERXL CRINKLE FINISH

Bigger, bolder versions of Sherwin-Williams' flagship silicone modified polyester (SMP) coatings. These cutting-edge formulations each feature a two-coat finish recognized for its durability, offering even stronger protection and endurance during extreme conditions than its predecessor.

WEATHERXL PRODUCTS

They live up to their warrior and workhorse reputation when you need your design to last.

■ WeatherXL

Created to withstand almost anything that comes its way, our specially formulated WeatherXL silicone-modified polyester coating is designed to go where it will be abused — maintaining extreme resistance to abrasion, chipping and marring with tremendous color and gloss retention.

■ WeatherXL Crinkle Finish

The unique texture of WeatherXL's Crinkle Finish redirects light for enhanced visual depth, promising step-change improvement over flat-panels' appearance. Its responsive design allows its subtle shading to mirror the eye's natural horizontal motion, creating beautifully shifting, shimmering tones.

BENEFITS

- Superior weatherability
- Best resistance yet to chalking, fading and scratching for SMP

- Exceptional color and gloss retention
- Outstanding color consistency
- Proven durability

COLORS

WeatherXL coatings are available in a wide palette of colors from bright white to jet black, many of which are available in Solar Reflective (SR) formulations to meet ENERGY STAR® and LEED certifications.

SUBSTRATES

May be applied to a number of pretreated substrates, including aluminum, Galvalume® and hot-dip galvanized (HDG) steel.

END USES

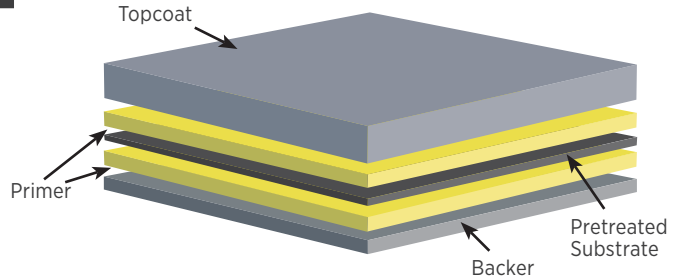
WeatherXL coatings are ideal for residential and commercial building products, including:

- Agricultural and industrial metal building components
- Commercial and residential metal roofing
- Metal wall panels
- Pre-engineered metal building systems
- Siding, gutters and downspouts



COMMITMENT TO QUALITY

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



SMP COIL COATING SYSTEM

Number of Coats	Dry Film Thickness (DFT)		Total Topside DFT:	Backer
	Primer	Topcoat		
2-Coat	0.2-0.3 mils	0.7-0.8 mils	0.9-1.1 mils	0.2-0.3 mils

WEATHERXL™ AND WEATHERXL CRINKLE FINISH PERFORMANCE TESTING

Industry Specifications Compliance	AAMA ¹ 2604-17A Requirements	Voluntary Specification, Performance Requirements and Test Procedures for High-Performing Organic Coatings on Architectural Aluminum Extrusions and Panels
Substrates	Pretreated Galvalume, Hot-Dipped Galvanized (HDG) steel and aluminium	

PHYSICAL TESTING	ASTM ² TEST METHOD	AAMA ¹ 2604-17A REQUIRED TEST RESULT
Falling Sand Abrasion	ASTM D 968	35 ± 10 liters
Film Adhesion	ASTM D 3359	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 D 6578/D 6578M	Meets and exceeds
Humidity Resistance	ASTM D 2247: 100% RH at 100° F for 2,000 hours	Galvalume or HDG: No field blisters Aluminum: No field blisters
Impact Resistance (direct)	ASTM D 2794	Galvalume or HDG: 3x metal thickness inch-pound, no loss of adhesion
Pencil Hardness	ASTM D 3363	HB to 2H.
Salt Spray	ASTM B 117: 1,000 Hours 3,000 Hours	Galvalume or HDG: Creep from scribe ≤ 1/8" (3mm), none or few #8 blisters. Aluminum: Creep from scribe ≤ 1/8" (3mm), few #8 blisters.
Specular Gloss 60°	ASTM D 523	WeatherXL: 20-80 WeatherXL Crinkle Finish: <5 @ 60 degrees
T-Bends	ASTM D 4145 ³	2T-4T, no loss of adhesion.

SOUTH FLORIDA EXPOSURE TESTING 45 degree southern exposure for panel racking

Color	ASTM D 2244	No more than 5Δ E Hunter units at 90° vertical angle and 6Δ E non-vertical at 20 years.
Chalk	ASTM D 4214	Rating no less than 8 at 90° angle and 7 at non-vertical angle at 20 years.
Film Integrity	ASTM G 7	25 years, no blisters, peeling or cracking

¹American Architectural Manufacturers Association. ²American Society for Testing and Materials. ³WeatherXL is not designed to bridge cracks in the substrate. WeatherXL coatings will generally meet the requirements for most post-painted fabrication processes. However, variations in metal quality, thickness or cleaning/pretreatment 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. WeatherXL™ is a registered trademark of Sherwin-Williams. Galvalume® is a registered trademark of BIEC International, Inc.

Sherwin-Williams makes no warranties, expressed or implied, and disclaims all implied warranties including warranties of merchantability or fitness for a particular use. Sherwin-Williams will not be liable for any special, incidental or consequential damages. © 2018 Sherwin-Williams. All Rights Reserved.



SHERWIN-WILLIAMS
Coil Coatings

coil.sherwin.com or call (888) 306-2645

ARCHI TECTURAL METAL COATINGS



SHERWIN-WILLIAMS®
Coil Coatings





OUR WORLD IS COLOR

At Sherwin-Williams, we believe in color. We think it has the power to inspire, to connect and to bring architectural visions brilliantly to life.

That's why we have spent over 150 years building a reputation for color innovation. Our color catalog expands every year with ambitious ideas and ongoing research. We achieve lasting durability and beauty through science. Most importantly, we commit to being a reliable and collaborative partner, and you can count on our innovation to inspire the world around us.

THE CHRYSALIS OUTDOOR AMPHITHEATER

LOCATION: Columbia, MD
ARCHITECT: Marc Fornes / THEVERYMANY
METAL PANEL MANUFACTURER:
A. Zahner Company
SHERWIN-WILLIAMS PRODUCTS:
Fluropon® SR • 2282 Green / 435R2287

Fluropon SR • 2283 Green / 435R2288^{*}
Fluropon SR • 2285 Green / 435R2290^{*}
Fluropon SR • 2286 Green / 435R2289^{*}
^{*}For more information on the color and product codes used, call or email Sherwin-Williams.



FLUROPON[®] 70% PVDF COATINGS

Fluropon is our flagship product for a reason. For more than 50 years, Fluropon coatings have been protecting monumental structures around the world. The Fluropon family of coatings are field-proven for lasting durability and meet the most rigorous specifications in the industry.

GODFREY HOTEL CHICAGO

LOCATION: Chicago, IL
ARCHITECT: Valerio Dewalt Train Associates
METAL PANEL MANUFACTURER: Metl-Span[®]
SHERWIN-WILLIAMS PRODUCTS:
Fluropon Classic II SR • Silver / 439RZ2431M

Fluropon® can be used on a variety of metal building products. The time-tested reliability of this product paired with Sherwin-Williams innovation means the only limit is what you can dream up. You provide the vision and we'll create the reality.

COMPOSITION

70% PVDF COATING

All coatings in the Fluropon family are a fluoropolymer product containing 70% polyvinylidene fluoride (PVDF) resins.

DURABILITY

Formulated to meet the industry's highest standards including AAMA 2605, Fluropon coatings continually exceed performance needs while maintaining their color and beauty for years to come.

PERFORMANCE BENEFITS

Include color and gloss retention, flexibility, formability, extreme weather performance and graffiti-resistance.

LASTING RESISTANCE

To ultraviolet rays, dirt and stains, chalk and fade, chemical degradation.

END USES

Durability makes Fluropon 70% PVDF coatings ideal for exterior applications—including, but not limited to, the following:



COIL APPLICATIONS

Metal roofing, wall panels, soffits, fascia, entry and garage doors.



EXTRUSION APPLICATIONS

Curtain walls, aluminum panels and extrusions, windows, skylights, door and access systems, soffits and fascia.

ARIA RESORT & CASINO™

LOCATION: Las Vegas, NV

ARCHITECT: Pelli Clarke Pelli

METAL PANEL MANUFACTURER:
CENTRIA

SHERWIN-WILLIAMS PRODUCTS:

Valflon® • Medium Red / 734L260

Valflon • Light Orange / 734L270

Valflon • Medium Orange / 734L266

Valflon • Dark Orange / 734L267



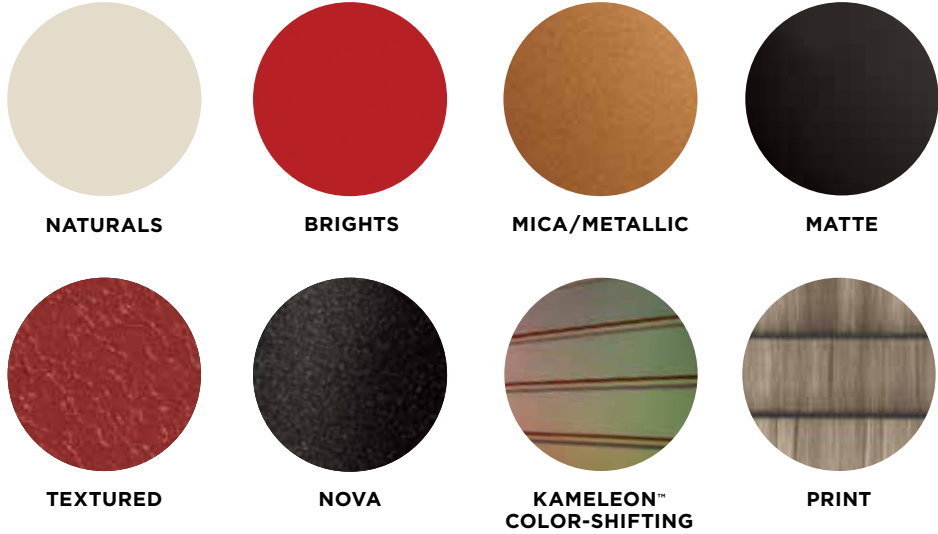


Fluropon® coatings are available in endless color options, from traditional to bold, including a wide range of gloss levels and special effects. On top of that, our scientists are constantly working to create color spaces that have never existed before.

With our advanced color-matching system, unrivaled expertise and the latest technologies, Sherwin-Williams helps your vision shine exactly as imagined. So if you can dream it, we can do it. Let's get started.

ORDER A SAMPLE

Visit coil.sherwin.com/architect or call us at (866) 351-6900 for a custom color sample.



JUDSON UNIVERSITY BENJAMIN P. BROWNE LIBRARY

LOCATION: Elgin, IL
ARCHITECT: Short & Associates
METAL PANEL MANUFACTURER: McElroy Metal
SHERWIN-WILLIAMS PRODUCTS: Fluropon Classic II • Copper Penny / 439Z637M

THINKING OUTSIDE THE (CRAYON) BOX

With an ever-growing catalog of options and advanced color-matching capabilities, our goal is to remove limits so you can design beyond your wildest imagination. Go ahead, dive into new territory, imagine the impossible. We'll be here to help you create it.

SPECIAL EFFECTS

Sherwin-Williams coatings don't stop at 50,000 colors. We continually develop unique color spaces and collections including our ever-expanding line of Fluropon® Effects coatings: Nova and Kameleon™.

ENDLESS OPTIONS

Our advanced color-matching technology means no color is out of reach. The Sherwin-Williams team is ready for any color challenge so your vision can become reality.

ONGOING RESEARCH

When you love color like we do, your job is never done. Sherwin-Williams is constantly researching and forecasting color trends to bring the innovation to you.

BUTLER TECH BIOSCIENCE CENTER

LOCATION: West Chester, OH

ARCHITECT: McGill Smith Punshon

METAL PANEL MANUFACTURER: ALPOLIC® Materials

SHERWIN-WILLIAMS PRODUCTS: Valflon®

*For more information on the color and product codes used, call or email Sherwin-Williams.

Photo courtesy of ALPOLIC®



DESIGNED TO STAND THE TEST OF TIME

In order to leave a legacy, beauty needs to be tough. That's why we have put our coatings through rigorous testing for decades. We want to be able to say with confidence that the brilliant color you love will last as long as possible.

FIELD-TESTED

Fluropon[®] found on iconic, monumental structures around the world, is known for its durability. It starts with our test fence facility in Fort Myers, Florida. For more than 50 years, over 10,000 panels have faced the worst conditions Mother Nature can dish out. We're proud to say it's the most accredited natural exposure facility in the coil and extrusion industry.

PREPARED TO PERFORM

The American Architectural Manufacturers Association (AAMA) sets standards for building product performance as it relates to the fenestration industry. Thanks to our robust testing and innovation, we have a wide range of products that meet or exceed the toughest performance specifications, including AAMA.

READY TO RESIST

We rigorously test and re-test our products for added resilience. Thanks to this research, our products are formulated to resist fading, chalking, blistering, cracking, marring, corrosion and gloss degradation.

T-MOBILE ARENA

LOCATION: Las Vegas, NV

ARCHITECT: Populous

METAL PANEL MANUFACTURER: CENTRIA

SHERWIN-WILLIAMS PRODUCTS:

Fluropon Classic II • Flaxen Gold / 439Z5354M

Fluropon Classic II • Flaxen Gold A / 439Z5480M

Fluropon Classic II • Flaxen Gold B / 439Z5481M

Fluropon Classic II • Titan Gold / 439Z5353M

Fluropon Classic II • Titan Gold B / 439Z5483M

Fluropon Classic II • Titan Gold D / 439Z5705M

Fluropon Classic II • Chestnut / 439Z5355M

Fluropon Classic II • Chestnut A / 439Z5487M

Fluropon Classic II • Chestnut C / 439Z5516M

Photo Credit: J. Rick Martin Photography

YOUR DREAM IS OUR GOAL

Sherwin-Williams is your color team. That means our collective experience, developed over centuries in the paint and coatings industry, is yours. Whatever your challenge or vision, you can count on Sherwin-Williams to be there with everything you need.

AT YOUR SERVICE

We'll make sure that you get what you need right when you need it, like getting custom color samples within 3-5 days.

UNIQUE SOLUTIONS

Our service is not one-size-fits-all. Sherwin-Williams will work directly with your team to develop a custom solution for your project. Contact us to get started.

SET THE STANDARD

We have high standards, not only for our products but also our service. We've built a reputation for quality, integrity and dependability.

POLK PENGUIN CONSERVATION CENTER

LOCATION: Detroit, MI

ARCHITECT: Albert Kahn Associates, Inc.

METAL PANEL MANUFACTURER: IMETCO

SHERWIN-WILLIAMS PRODUCTS:

Fluropon Classic II Special ◦ Iceberg White / 439Z5667M

Photo Credit: Clayton Studio, Curt Clayton



To collaborate with Sherwin-Williams, call (866) 351-6900 or visit coil.sherwin.com/architect 15

SUSTAINABLE SHOULD BE SIMPLE

Environmentally responsible design and materials are more pervasive now than ever. As one of the leading manufacturers of coating products in the world, Sherwin-Williams sets an example for the entire industry—a responsibility we take seriously.

FLUROPON SR

Our Fluropon Solar Reflective (SR) coatings have the largest color palette with the highest SR values in the industry. They also help keep buildings cool, reduce energy consumption and mitigate urban heat island effect. So you can lower expenses without sacrificing design.

FLUROPON PURE

We believe it's our responsibility to be transparent about the materials we use in our coatings. Our Fluropon Pure coatings are red-list compliant and can contribute toward LEED v4 and Living Building Challenge's Declare Programs.

BECKWITH VETERINARY HOSPITAL

LOCATION: Modesto, CA

ARCHITECT: Pires, Lipomi + Navarro

METAL PANEL MANUFACTURER: Kingspan*

SHERWIN-WILLIAMS PRODUCTS:

Fluropon Classic II SR • Copper Penny / 439RZ1543M

Photo courtesy of Kingspan*





A SAFE BET ON BLUE

For the city of Detroit, public projects are a symbol of reinvention and renewal. They must also be planned within a strict budget and commitment to efficient materials.

With that in mind, Sherwin-Williams provided a mosaic of intertwining shades to help transform an old casino into a modern and modern civic space.

DETROIT PUBLIC SAFETY HEADQUARTERS

LOCATION: Detroit, MI
ARCHITECT: SmithGroupJJR
METAL PANEL MANUFACTURER:
Metl-Span®

SHERWIN-WILLIAMS PRODUCTS:
Fluropon SR • Sweet Nothings / 435R1593
Fluropon SR • Key Largo / 435R1592
Fluropon SR • Submarine Gray / 432R2184
Fluropon SR • Tarreyton / 435R1591

Photo courtesy of Metl-Span®



HAPPY AND HEALTHY

Primary colors create a playful design full of childlike whimsy—perfectly suited for the hospital's most important guests.

Our color experts helped create nine bold colors to energize the exterior and create a fun, welcoming experience.

BUERGER CENTER FOR ADVANCED PEDIATRIC CARE - CHILDREN'S HOSPITAL OF PHILADELPHIA

LOCATION: Philadelphia, PA

ARCHITECT: Pelli Clark Pelli, FKP Architects

CURTAINWALL SYSTEMS MANUFACTURER:
Baker Metal Products Inc.

COATINGS APPLICATOR: Texas Finishing Company

SHERWIN-WILLIAMS PRODUCTS:

Fluropon® • Wrought Iron / 392B237

Fluropon • Yellow / 393B3730

Fluropon Premiere • Carnival / SL3A131

Fluropon Premiere • CH Blue / SL6A1029

Fluropon Premiere • Cochinea / SL4A397

Fluropon Premiere • Greenbelt / SL5A2881

Fluropon Premiere • Poetic Purple / SL6A336

Fluropon Classic II • Silver Pearl / 399C6947

Fluropon Special Classic II • Silver Pearl / 399C6904XC

Photo Credit: © Jeff Goldberg / Esto



COLOR TAKES SHAPE

The eight-story student center at Ryerson University made its mark on Toronto with its glimmering and geometric façade.

Our Valflon® coating system in Prismatic Blue was selected to provide dimensionality.

RYERSON STUDENT CENTER

LOCATION: Toronto, Ontario

ARCHITECT: Snøhetta, Zeidler Partnership Architects

METAL PANEL MANUFACTURER: ALPOLIC Materials

SHERWIN-WILLIAMS PRODUCTS:

Valflon • Prismatic Blue®

*For more information on the color and product codes used, call or email Sherwin-Williams.

Photo Credit: Marcus Mitanis



FLUROPON[®] GOES TO WASHINGTON

As one of the largest urban infill projects in downtown Washington D.C.'s history, CityCenterDC is a mixed-use development that occupies 3.5 city blocks.

Our Fluropon coatings were used on the two office towers to help meet the projects aesthetic and performance goals. Fluropon meets or exceeds AAMA 2605 high-performance exterior specification and demonstrates reliable performance including resistance to harmful ultraviolet rays, chemical degradation and abrasions.

CITYCENTERDC OFFICE TOWERS

LOCATION: Washington, D.C.

ARCHITECT: Foster + Partners,
Shalom Baranes Associates Architects (SBA)

**CURTAINWALL, STOREFRONT, SUN SHADES
AND PANELS MANUFACTURER:**

Baker Metal Products Inc.

COATINGS APPLICATOR:
Texas Finishing Company

SHERWIN-WILLIAMS PRODUCTS:

Fluropon Classic II • Bright Pewter / 399C6752

Fluropon Classic II • Silver / 399X440

Fluropon Classic II • Classic Black Buckle / 399C2467

Photo Credit: Aker Imaging



HOW WE MAKE HISTORY

Color always tells a story, and in the case of the Smithsonian's American Museum of African History and Culture, it told an important one.

Each of the 3,600 customized, bronze-colored, cast-aluminum panels reflect the design of ironwork by enslaved craftsmen in Charleston and New Orleans. The architects worked with Dura Industries to develop three custom shades using Fluropon® coatings to adequately represent this history.

SMITHSONIAN NATIONAL MUSEUM OF AFRICAN AMERICAN HISTORY AND CULTURE

LOCATION: Washington, D.C.

ARCHITECTS: David Adjaye, Adjaye Associates, Perkins+Will, Davis Brody Bond, SmithGroup JJR, Guy Nordenson and Associates, Robert Silman Associates, and WSP Flack + Kurtz

METAL PANEL MANUFACTURER:

Morel Industries

COATINGS APPLICATOR:


Dura Industries

SHERWIN-WILLIAMS PRODUCTS:

Fluropon • Custom Color[®]

*For more information on the color and product codes used, call or email Sherwin-Williams.

Photo Credit: Alan Karchmer



**ARCHI
TECTURAL
METAL
COATINGS**

SHERWIN-WILLIAMS[®]

coil.sherwin.com/architect

(866) 351-6900