Valspar® 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 Fluropon family of coatings, which are fluoropolymer products containing 70% polyvinylidene fluoride (PVDF) resins. Field- and time-proven, they meet or exceed the most rigorous ASTM performance standards.

The long-lasting beauty of your project goes hand in hand with its durability. That’s why all Fluropon coil coatings offer superior flexibility, formability and color consistency. Tremendous UV protection pairs with chalk and chemical degradation resistance with excellent adhesion to stand up against weathering for years to come.

Fluropon

Our flagship product. Its excellent performance is a direct result of Valspar’s innovative technology — a two-coat formulation of fluoropolymer resin that continually exceeds performance needs while maintaining its color and durability.

Fluropon Classic II

When a pearlescent appearance is desired, this two-coat system delivers a subtle or bold sparkle appearance that adds a new dimension to your project.

Fluropon 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.

Fluropon Low Gloss

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

Fluropon Low Sheen

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

Fluropon 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.

Fluropon SR

Fluropon SR contains solar-reflective pigments, offering durability that resists heat absorption and aids in structure cooling. Thousands of SR’s energy efficiency coatings that meet ENERGY STAR®, LEED® and CRRC performance requirements.
Class A Coating
Aluminum: Creep from scribe ≤ 1/16" (2mm), no field
Meets and exceeds AAMA 2605-13 0T-3T, no loss of adhesion

Applied to pretreated substrates: Galvalume AAMA 2605-13 1T-3T, no loss of adhesion

65 ± 10 liters 3 coat

Class A Coating
Aluminum: No field blisters
2 coat
No loss of adhesion HB to H

15 to 30 2 coat 10º maximum

HB to 2H

Class A Coating
Galvalume or HDG: 2x metal thickness inch-pounds, no loss of adhesion. Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion.

30 - 40 DFT: 1.0 mils TC: 0.7 - 0.8 mils P: 0.2 - 0.3 mils B: 0.3 - 0.4 mils

HB to 2H

Fluropon 70% PVDF Architectural Coil Coating Systems

BENEFITS
• Superior resistance to UV rays
• Outstanding color retention and consistency
• Excellent overall adhesion
• Great flexibility and formability
• High film integrity

COMMITMENT TO QUALITY.
Our coatings are trusted and field proven through rigorous testing. Providing key benefits to our customers.

TECHNICAL DATA : FLUROPON FAMILY

Coating System 70% polyvinylidene fluoride (PVDF) fluoropolymer resin

Number of Coats 2 coat 2 coat 2 coat 2 coat 2 coat 2 coat

Dry Film Thickness (DFT) DFT: 0.9 - 1.1 mils TC: 0.7 - 0.8 mils P: 0.2 - 0.3 mils B: 0.3 - 0.4 mils
DFT: 1.0 mils TC: 0.75 mils P: 0.25 mils B: 0.3 - 0.4 mils
DFT: 1.65 mils Clear: 0.5 mils TC: 0.9 mils P: 0.25 mils B: 0.3 - 0.4 mils
DFT: 1.1 mils TC: 0.8 - 0.9 mils P: 0.2 - 0.3 mils B: 0.3 - 0.4 mils
DFT: 1.2 mils TC: 1.0 - 0.8 mils P: 0.2 - 0.3 mils B: 0.3 - 0.4 mils
DFT: 2.0 mils Clear: 0.4 - 0.5 mils TC: 0.7 - 0.8 mils P: 0.2 - 0.3 mils B: 0.3 - 0.4 mils

Industry Specification Compliance
AAAMA 2605-13 AAAMA 2605-13 AAAMA 2605-13 AAAMA 2605-13 AAAMA 2605-13 AAAMA 2605-13

Substrates
Applied to pretreated substrates: Galvalume®, Aluminum, and Hot-Dipped Galvanized (HDG) steel.

Excellent scratch and mar resistance.
Abrasion Resistance, ASTM D 968
65 ± 10 liters 65 ± 10 liters 65 ± 10 liters 65 ± 10 liters 65 ± 10 liters 65 ± 10 liters

Superior coating adhesion to substrate.
Cross Hatch Adhesion, ASTM D 3359
No loss of adhesion No loss of adhesion No loss of adhesion No loss of adhesion No loss of adhesion No loss of adhesion

First-class protection against heat-related damage.
Flame Test, ASTM E B4
Class A Coating Class A Coating Class A Coating Class A Coating Class A Coating Class A Coating

Outstanding resistance to graffiti.
Graffiti Resistance, ASTM D 6758 / D 6788
Meets and exceeds Meets and exceeds Meets and exceeds Meets and exceeds Meets and exceeds Meets and exceeds

Amazing protection against corrosion caused by humidity and water.
Humidity Resistance, ASTM D 2247 100% RH @ 100º F - 2,000 Hours
Galvalume or HDG: No field blisters

100% RH @ 100º F - 3,000 Hours
Aluminum: No field blisters

Provides long-lasting durability against nature.
Impact Resistance (direct) ASTM D 2794
Galvalume or HDG: 2x metal thickness inch-pounds, no loss of adhesion. Aluminum: 1.5x metal thickness inch-pounds, no loss of adhesion.

Excellent protection against scratches.
Pencil Hardness, ASTM D 3363
HB to 2H HB to 2H HB to H HB to 2H HB to 2H HB to 2H

Tremendous protection against corrosion.
Salt Spray, ASTM D 1654 1,000 Hours
Galvalume or HDG: Creep from scribe ≤ 1/16" (2mm), no field blisters.
Galvalume, HDG or Aluminum: Creep from scribe ≤ 1/8" (1mm), no field blisters.

3,000 Hours
Aluminum: Creep from scribe ≤ 1/16" (2mm), no field blisters.
Aluminum: Creep from scribe ≤ 1/8" (1mm), no field blisters.

Exceptional resistance to UV rays, color retention and high film integrity.
South Florida Color, ASTM D 2244 Chalk, ASTM D 4214 Film Integrity, ASTM G7
Color: No more than 50 Hunter units at 20 years Chalk: Rating no less than 8 at 20 years Film Integrity: 25 years

Multiple gloss levels, to provide the finish you desire.
Specular Gloss at 60º, ASTM D 523
20-35 15 to 30 30 to 40 8-15 10º maximum 30 - 40 20-35

Great flexibility and formability during the manufacturing process.
T-Bends, ASTM D 4140
17-37º, no loss of adhesion 0T-2T, no loss of adhesion 0T-2T, no loss of adhesion 0T-2T, no loss of adhesion 0T-2T, no loss of adhesion 0T-2T, no loss of adhesion

TECHNICAL DATA : FLUROPON FAMILY

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.

COLORS

FLUROPON TWO COAT SYSTEM

Two coat systems: Fluropon, Classic II, Low Gloss, Low Sheen and Solar Reflective

FLUROPON THREE COAT SYSTEM

Three coat systems: Fluropon Classic and Premiere...

ENDUSES

All Fluropon family products 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

SUBSTRATES

Coatings in the Fluropon product family can be applied to a number of pre-treated substrates including; Galvalume®, aluminum, and Hot-Dipped Galvanized (HDG) steel.

(1) American Architectural Manufacturers Association’s. (2) American Society for Testing and Materials. (3) Fluropon is not designed to bridge cracks in the substrate. (4) 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 unanticipated behavior.

For details and health, safety and handling information, Material Safety Data Sheets (MSDS) are available at www.valsparcorporation.com.

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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. In fact, with our availability at coating and service centers throughout the country, we’re there for you. Give us a call and see how we can help with your next project.

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