

COIL COATINGS PRODUCT GUIDE WITH ICON KEY

Building Products



■ Valspar's extensive coil coating product line offers solutions to a variety of building design and performance requirements. These colorful, durable coatings combine style with practicality in innovative formulations designed to keep your building looking good for years to come.













valspar®



VALSPAR COIL APPLIED ARCHITECTURAL COATINGS SUMMARY

PRODUCT NAME	UV PERFORMANCE	APPLIED COST COMPARISON	RESIN TYPE PERCENTAGE	GENERAL USE	COLORS	END USE/SPECIAL FEATURES	SPECULAR GLOSS ASTM D 523	PRODUCT AVAILABLE IN SPRAY	NUMBER OF PASSES
STANDARD METAL BUILDING AND ROOFING PRODUCTS									
Fluropon® Low Gloss Available		\$\$\$	70% PVDF	Roofing Metal Building		 COASTAL	Fluropon 20-35 at 60° Fluropon Low Gloss 5-15 at 85°	Yes	1
WeatherX™		\$\$	SILI POLY	Roofing Metal Building		 	20-60 at 60° As Specified	No	1
Dynapon®		\$	POLY- ESTER	Metal Building			25-35 at 60° Also Available 36-80 at 60°	Yes	1
Alamo White™		\$	POLY- ESTER	Metal Building	WHITE	Most Economical	20-35 at 60°	Yes	1
SPECIAL METAL BUILDING AND ROOFING PRODUCTS									
Flurothane® II		\$\$\$	Thick 70% PVDF Film	Roofing Metal Building		 COASTAL	5-35 at 60° Also Available 5-15 at 85°	No	1
Flurothane® IV		\$\$\$	Thick 70% PVDF Film	Roofing Metal Building		 COASTAL	5-35 at 60° Also Available 5-15 at 85°	No	2
Valshield®		\$\$\$	Thick PLASTI- SOL Film	Roofing Metal Building		 	15-40 at 60° As Specified	No	1
Fluropon Classic® II		\$\$\$	70% PVDF	Architectural Roofing and Panel			15-30 at 60°	Yes	1
Fluropon Classic®		\$\$	70% PVDF	Architectural Roofing and Panel			30-40 at 60°	Yes	2
Fluropon® Premiere		\$\$	70% PVDF	Architectural Roofing and Panel	BRIGHT COLORS		30-40 at 60°	Yes	2

Valspar SR coatings are available in all product lines. These coatings have a minimum solar reflectance of 0.25 and a typical emittance value of 0.86. All Valspar's coil applied building products are approved for use over Hot Dipped Galvanized steel (HDG) (G-90), Zinc Aluminum coated steel, Galvanized Aluminum, and Aluminum.

FLUOROPOLYMER COATINGS					
NUMBER OF COATS	NORMAL MILS THICKNESS .05	FLEXIBILITY ASTM D 4145	SALT SPRAY ASTM B 117	HUMIDITY ASTM D 2247	FLORIDA EXPOSURE
	.25 PMY0302 .75 Topcoat	0T to 3T No Loss of Adhesion	HDG (G-90)/GALVALUME: 1,000 Hours Maximum of 1/16" (2mm) Creep from Scribe No Field Blisters ALUMINUM: 3,000 Hours No Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 2,000 Hours No Field Blisters ALUMINUM: 3,000 Hours No Field Blisters	25 Years Film Integrity 20 Years: Chalk Rating No Less Than 8 20 Years Color: 5ΔE Hunter Units Max
	.25 PMY0302 .75 Topcoat	2T to 4T No Loss of Adhesion	HDG (G-90)/GALVALUME: 1,000 Hours Maximum of 1/8" (3mm) Creep from Scribe None to Few No. 8 Field Blisters ALUMINUM: 2,000 Hours Maximum of 1/8" (3mm) Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 1,000 Hours No Field Blisters ALUMINUM: 2,000 Hours No Field Blisters	Vertical 25 Years: Film Integrity 20 Years: Chalk Rating No Less Than 8; Color: 5ΔE Hunter Units Max Non-Vertical 25 Years: Film Integrity 20 Years: Chalk Rating No Less Than 7; Color: 6ΔE Hunter Units Max
	.25 PMY0302 .75 Topcoat	2T to 4T No Loss of Adhesion	HDG (G-90)/GALVALUME: 1,000 Hours Maximum of 1/8" (3mm) Creep from Scribe Few No. 8 Field Blisters ALUMINUM: 2,000 Hours Maximum of 1/8" (3mm) Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 1,000 Hours No Field Blisters ALUMINUM: 2,000 Hours No Field Blisters	Vertical 20 Years Film Integrity 10 Years: Chalk Rating No Less Than 8; Color: 5ΔE Hunter Units Max Non-Vertical 15 Years Film Integrity 10 Years: Chalk Rating No Less Than 7; Color: 8ΔE Hunter Units Max
	.25 PMY0302 .80 Topcoat	2T to 4T No Loss of Adhesion	HDG (G-90)/GALVALUME: 1,000 Hours Maximum of 1/8" (3 mm) Creep from Scribe No Field Blisters ALUMINUM: 1,000 Hours Maximum of 1/8" (3 mm) Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 1,000 Hours No Field Blisters ALUMINUM: 1,000 Hours No Field Blisters	Vertical 20 Years Film Integrity 5 Years: Chalk Rating No Less Than 6; Color: 3ΔE Hunter Units Max Non-Vertical 20 Years Film Integrity
FLUOROPOLYMER COATINGS					
	.80-1.2 Fluorothane .75 Topcoat	1T to 3T No Loss of Adhesion	HDG (G-90)/GALVALUME: 2,000 Hours Maximum of 1/16" (2mm) Creep from Scribe No Field Blisters ALUMINUM: 4,000 Hours No Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 2,000 Hours No Field Blisters ALUMINUM: 4,000 Hours No Field Blisters	25 Years Film Integrity 20 Years: Chalk Rating No Less Than 8 20 Years Color: 5ΔE Hunter Units Max
	.80-1.2 803X419* .80-1.2 803X419 .80-1.2 803X419 .75 Topcoat	1T to 3T No Loss of Adhesion**	HDG (G-90)/GALVALUME: 2,000 Hours Maximum of 1/32" (1mm) Creep from Scribe No Field Blisters ALUMINUM: 4,000 Hours No Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 4,000 Hours No Field Blisters ALUMINUM: 4,000 Hours No Field Blisters	25 Years Film Integrity 20 Years: Chalk Rating No Less Than 8 20 Years Color: 5ΔE Hunter Units Max
	.10 Primer 2.0-10.0 Topcoat	1T to 3T No Loss of Adhesion	HDG (G-90)/GALVALUME: 1,500 Hours Maximum of 1/16" (2mm) Creep from Scribe No Field Blisters ALUMINUM: 2,000 Hours Maximum of 1/16" (2mm) Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 1,000 Hours No Field Blisters ALUMINUM: 2,000 Hours No Field Blisters	Vertical 15 Years Film Integrity 10 Years: Chalk Rating No Less Than 8; Color: 6ΔE Hunter Units Max Non-Vertical 10 Years Film Integrity 10 Years: Chalk Rating No Less Than 6; Color: 8ΔE Hunter Units Max
	.25 PMY0302 .75 Topcoat	0T to 2T No Loss of Adhesion	HDG (G-90)/GALVALUME: 1,000 Hours Maximum of 1/16" (2mm) Creep from Scribe No Field Blisters ALUMINUM: 3,000 Hours Maximum of 1/32" (1mm) Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 1,000 Hours No Field Blisters ALUMINUM: 3,000 Hours No Field Blisters	25 Years Film Integrity 20 Years: Chalk Rating No Less Than 8
 	.25 PMY0302 .75 Metallic .50 Clear	0T to 2T No Loss of Adhesion	HDG (G-90)/GALVALUME: 1,000 Hours Maximum of 1/32" (1mm) Creep from Scribe No Field Blisters ALUMINUM: 1,000 Hours Maximum of 1/32" (1mm) Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 1,000 Hours No Field Blisters ALUMINUM: 2,000 Hours No Field Blisters	25 Years Film Integrity 20 Years: Chalk Rating No less than 8
 	.25 PMY0302 .75 Color .50 Clear	0T to 2T No Loss of Adhesion	HDG (G-90)/GALVALUME: 1,000 Hours Maximum of 1/16" (2mm) Creep from Scribe No Field Blisters ALUMINUM: 3,000 Hours Maximum of 1/32" (1mm) Creep from Scribe No Field Blisters	HDG (G-90)/GALVALUME: 1,000 Hours No Field Blisters ALUMINUM: 3,000 Hours No Field Blisters	25 Years Film Integrity 20 Years: Chalk Rating no less than 8 20 Years Color: 5ΔE Hunter Units Max

*Use 803X449 as the first coat for Galvalume and Zinalume **Warm forming above 55°F will improve forming characteristics. The typical physical and performance properties reflected on this document do not imply a warranty.

CORROSION RESISTANCE					
DEW CYCLE WEATHEROMETER ASTM D 3361	ADHESION ASTM D 3359	PENCIL HARDNESS	REVERSE IMPACT ASTM D 2794	ABRASION RESISTANCE ASTM D 968	ACID RESISTANCE ASTM D 1308 PROCEDURE 7.2 (INDEPENDENT OF SUBSTRATE)
1,000 Total Hours: Chalk Rating No Less Than 8 Color: 5ΔE Hunter Units Max	No Loss of Adhesion	HB to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 1.5X Metal Thickness in Inch-Lbs. No Loss of Adhesion	65± 10 Liters	10% Hydrochloric Acid - 24 Hrs. No Visible Change 20% Hydrochloric Acid - 18 Hrs. No Visible Change 20% Sulfuric Acid - 18 Hrs. No Visible Change 25% Sodium Hydroxide - 1 Hr. No Visible Change 20% Muriatic Acid - 15 Min. No Visible Change
200 Total Hours: Chalk Rating No Less Than 8 Color: 5ΔE Hunter Units Max	No Loss of Adhesion	F to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 1.5X Metal Thickness in Inch-Lbs. No Loss of Adhesion	35 ± 5 Liters	
200 Total Hours: Chalk Rating No Less Than 7 Color: 6ΔE Hunter Units Max	No Loss of Adhesion	F to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 1.5X Metal Thickness in Inch-Lbs. No Loss of Adhesion	35 ± 5 Liters	
200 Total Hours: Chalk Rating No Less Than 6 Color: 3ΔE Hunter Units Max	No Loss of Adhesion	F to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. ALUMINUM: 1.5X Metal Thickness in Inch-Lbs.	35 ± 5 Liters	
CORROSION RESISTANCE					
1,000 Total Hours: Chalk Rating No Less Than 8 Color: 5ΔE Hunter Units Max	No Loss of Adhesion	HB to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 1.5X Metal Thickness in Inch-Lbs. No Loss of Adhesion	100 ± 10 Liters	10% Hydrochloric Acid - 24 Hrs. No Visible Change 20% Hydrochloric Acid - 18 Hrs. No Visible Change 20% Sulfuric Acid - 18 Hrs. No Visible Change 25% Sodium Hydroxide - 1 Hr. No Visible Change 20% Muriatic Acid - 15 Min. No Visible Change
1,000 Total Hours: Chalk Rating No Less Than 8 Color: 5ΔE Hunter Units Max	No Loss of Adhesion	HB to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 1.5X Metal Thickness in Inch-Lbs. No Loss of Adhesion	200 ± 20 Liters	10% Hydrochloric Acid - 24 Hrs. No Visible Change 20% Hydrochloric Acid - 18 Hrs. No Visible Change 20% Sulfuric Acid - 18 Hrs. No Visible Change 25% Sodium Hydroxide - 1 Hr. No Visible Change 20% Muriatic Acid - 15 Min. No Visible Change
2,000 (XVR) Total Hours: Chalk Rating No Less Than 7 Color: 6ΔE Hunter Units Max	No Loss of Adhesion	B to H	HDG (G-90) GALVALUME: 4X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 2X Metal Thickness in Inch-Lbs. No Loss of Adhesion	240 ± 25 Liters	10% Hydrochloric Acid - 24 Hrs. Slight Stain, No Blistering 20% Sulfuric Acid - 24 Hrs. No Visible Change 10% Sodium Hydroxide - 24 Hrs. Slight Stain, No Blistering 28% Amonium Hydroxide - 24 Hrs. No Visible Change
1,000 Total Hours: Chalk Rating No Less Than 8	No Loss of Adhesion	HB to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 1.5X Metal Thickness in Inch-Lbs. No Loss of Adhesion	80 ± 10 Liters	
1,000 Total Hours: Chalk Rating No Less Than 8	No Loss of Adhesion	HB to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 1.5X Metal Thickness in Inch-Lbs. No Loss of Adhesion	80 ± 10 Liters	
200 Total Hours: Chalk Rating No Less Than 8 Color: 5ΔE Hunter Units Max	No Loss of Adhesion	HB to 2H	HDG (G-90) GALVALUME: 3X Metal Thickness in Inch-Lbs. No Loss of Adhesion ALUMINUM: 1.5X Metal Thickness in Inch-Lbs. No Loss of Adhesion	80 ± 10 Liters	

ICON DESCRIPTION

APPLICATION METHOD



Factory applied, baked-on coatings for application by the coil coat method.

DURABILITY AND PROJECT POSITIONING



PROJECT: For exterior use on pre-engineered metal buildings and monumental high-rise structures, including wall panels, column covers and brake metal. For all types of metal roofing including monumental, commercial and residential.

EXPOSURE: High UV levels; or is exposed to humidity, salt air, acid rain or general air pollution.

INDUSTRY SPECIFICATION: Meets the performance requirements of Valspar's VE-COIL-100 or the less stringent industry consensus guide specification AAMA 620-96 (Aluminum Substrate) or AAMA 621-96 (Hot Dipped Galvanized or Zinc Coated Steel Substrate) as published by the American Architectural Manufacturers Association (AAMA).

RESIN: 70% PVDF (Kynar 500® or Hylar 5000®) fluoropolymer resin based paint system is only coating acceptable.

BUDGET: \$\$-\$\$\$\$\$

TO SPECIFY WRITE: Factory coil applied, baked-on 70% PVDF (Kynar 500® or Hylar 5000®) (fluoropolymer) resin based paint coating (INSERT ONE: Fluorpon®, Fluorothane® II, Fluorothane® IV, Fluorpon Classic®, Fluorpon Classic® II, Fluorpon SR) as manufactured by THE VALSPAR CORPORATION.



PROJECT: For exterior use on metal buildings; siding and roofing panels for pre-engineered and agri-buildings, gutters, down spouts and metal building components.

EXPOSURE: Exposed to moderate UV levels; or is exposed to humidity, salt air, acid rain or general air pollution.

INDUSTRY SPECIFICATION: Specify ASTM or NCCA tests as required by project. See manufacturer's literature for performance guidelines.

RESIN: Silicone polyester paint system.

BUDGET: \$\$-\$\$\$

TO SPECIFY WRITE: Factory coil applied, baked-on 30% silicone polyester paint system WeatherX or WeatherX SR as manufactured by THE VALSPAR CORPORATION.



PROJECT: For interior and exterior use on metal buildings; siding and roofing panels for pre-engineered and agri-buildings, gutters, down spouts and metal building components.

EXPOSURE: Exposed to moderate UV levels; or is exposed to humidity, salt air, acid rain, general air pollution or agricultural hazards as in animal confinement situations.

INDUSTRY SPECIFICATION: Specify ASTM or NCCA tests as required by project. See manufacturer's literature for performance guidelines.

RESIN: Silicone Polyester or Vinyl Plastisol coatings are acceptable.

BUDGET: \$\$-\$\$\$

TO SPECIFY WRITE: Factory coil applied, baked-on (INSERT ONE: Valshield™ vinyl plastisol, WeatherX or WeatherX SR) paint system as manufactured by THE VALSPAR CORPORATION.



PROJECT: For interior and exterior use on metal buildings; siding and roofing panels for pre-engineered and agri-buildings, as well as their components. For good weathering performance when alternate systems such as fluoropolymers or silicone polyesters may be too expensive or not necessary for a particular application.

EXPOSURE: Moderate to low UV levels.

INDUSTRY SPECIFICATION: Specify ASTM or NCCA tests as required by project. See manufacturer's literature for performance guidelines.

RESIN: Polyester

BUDGET: \$\$-\$\$\$

TO SPECIFY WRITE: Factory coil applied, baked-on Dynapon® or Dynapon SR polyester paint system as manufactured by THE VALSPAR CORPORATION.



PROJECT: For use on interior or exterior siding and roofing panels of agri-buildings, light commercial and pre-engineered buildings.

EXPOSURE: Moderate to low UV levels. This coating is the most economical alternative if a paint coating is required. Available in white.

INDUSTRY SPECIFICATION: Specify ASTM or NCCA tests as required by project. See manufacturer's literature for performance guidelines.

RESIN: Polyester

BUDGET: \$

TO SPECIFY WRITE: Factory coil applied, baked-on Alamo White™ or Alamo White SR paint system as manufactured by THE VALSPAR CORPORATION.

END USE / FEATURES



END USE: Metal roofing, wall panels, column covers and other components for monumental and commercial applications.

USED ON:

- Monumental structures
- High-rise and landmark buildings
- Hospitals and universities
- Airports and large shopping malls
- Commercial and office structures
- Industrial and correctional facilities



END USE: Metal buildings, wall panels, roofing and component parts.

USED ON:

- Agri-buildings
- Pre-engineered buildings
- Animal confinement buildings



Resistant to scratches and abrasion caused by fabrication, transportation to job site or installation. For low-rise buildings such as commercial buildings, agricultural buildings and public buildings.



Resists moist environments including moisture in the form of rain, dew, fog, salt air, and acid rain.



Resists harsh environments such as those caused by general air pollution.

RESIN SYSTEM



The resin system of this coating is a minimum of 70% fluoropolymer (PVDF) (Kynar 500® or Hylar 5000®) resin.



The resin system of this coating is siliconized polyester.



The resin system of this coating is polyester.



The resin system of this coating is a vinyl plastisol which is based on polyvinylchloride (PVC) technology.

APPLIED COST COMPARISON



Dollar signs are a general guideline of comparative (materials and application) costs within Valspar's architectural product line only.

NUMBER OF COATS



Count the number of coats on the icon and you will know the number of coats required in the paint system. If a clear coat is required, it is included on the "number of coats" icon. Optional clear coats are not included on the "number of coats" icon.



Clear coat required.

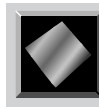
COLOR OPTIONS



Earth tones are the most popular color range offered in this paint system.



Sparkle in paint system is achieved by the use of pearlescent mica flakes. Clear top-coat is NOT required.



Sparkle in paint system is achieved by the use of aluminum flakes. Clear top-coat is always required on aluminum flake coatings.



This coating available in white only.



Bright yellow, orange, blue, green, red (and more) are examples of bright colors offered in this paint system. Clear top-coat is always required on brightly colored 70% PVDF coatings.

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On the cover: Duke Energy Center coated with Fluropon Classic coating by Valspar.

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