



CASCADIA METALS

Cascadia Premium Colors

COOL PVDF Prepainted Steel

22ga x 48", Gr50, G90 & AZ50

24ga x 48", Gr50, G90 & AZ50

REGAL WHITE
SRI: 78

PARCHMENT
SRI: 58

SIERRA TAN
SRI: 58

CHAMPAGNE METALLIC ♦
SRI: 49

MOCHA
SRI: 35

WEATHERED COPPER
SRI: 27

BRONZE
SRI: 25

DARK BRONZE
SRI: 27

COPPER PENNY ♦
SRI: 42

TERRA COTTA
SRI: 42

COLONIAL RED
SRI: 34

RETRO RED
SRI: 25

HEMLOCK GREEN
SRI: 37

FOREST GREEN
SRI: 30

HARTFORD GREEN
SRI: 27

BLACK
SRI: 24

SILVER METALLIC ♦
SRI: 58

TWILIGHT BLUE
SRI: 25

REGAL BLUE
SRI: 25

WEATHERED ZINC ♦
SRI: 40

OLD TOWN GRAY
SRI: 42

OLD ZINC GRAY
SRI: 40

SLATE GRAY
SRI: 30

ZINC GRAY
SRI: 37

Colors shown are representative of the actual colors but are limited by printing conditions. Actual pre-painted metal samples are available upon request. Additional sizes and colors may be available with a minimum order quantity. Please inquire with your Cascadia Metals Sales Representative.

Special product requirements - including but not limited to specific recycled content, SRI, Buy American, or other - MUST be stated in writing as part of the request for quote. These special product requirements may impact Cascadia Metals' ability to satisfy the order.

♦ Metallic Colors: please be advised our Metallic Colors are batch sensitive and directional in nature. We strongly advise against mixing batches on any project.

All the Selection, One Source.

PVDF paints are known throughout the steel industry for their exceptional gloss, color retention, and overall performance. Used by some of the most prominent architects throughout the world, PVDF pre-painted steel is utilized in a wide variety of residential, commercial, institutional, and industrial applications.

Cascadia Metals' COOL PVDF pre-painted steel products provide architects, designers, and building owners with a building product solution that is not only sustainable but satisfies both the aesthetics and performance expectations of even the most rigorous projects. Complete with a warranty, these products offer environmental benefits such as recyclability, durability, low maintenance, and potential energy savings when used in a roofing application. From roofing to wall panels to soffits and beyond, **Cascadia Metals' COOL PVDF** steel products are the right fit for your high-end architectural projects.

PVDF TECHNICAL SPECIFICATIONS

PROPERTY	PVDF COATING TEST METHOD	PVDF COATING SPECIFICATION
Dry Film Thickness	ASTM D 1400-94 ASTM D 1005-95	0.75-1.85 Mil 0.90-1.15 Mil
Specular Gloss	ASTM D 523-89 @ 60°	20-35
Humidity Resistance	ASTM D 2247 (100% relative humidity @ 95°)	Passes 2,000 Hrs.
Salt Spray	ASTM B 117 (5% salt spray @ 95°)	Passes 1,000 Hrs. with < 5% #6 blisters
Acid Pollutant Resistance	ASTM D 1308-87 (20% sulfuric acid 18 hrs., 10% muriatic acid 15 minutes)	No effect
Graffiti Resistance	Cleanability of Defaced Panels (spray paint, pens, etc.)	No effect
Abrasion Resistance	ASTM D 968-93 (to expose 5/32" of substrate)	100 Liters
Chalk Resistance	ASTM D 4214 (Florida Exposure @ 45°S)	Rating not < 8 @ 20 yrs.
Color Retention	ASTM 2244 -Hunter Units (Florida Exposure @ 45°S)	Rating not > 5Δ Hunter Units @ 20 yrs.
Adhesion	ASTM D 3359-95a (Reverse Impacted 1/16" crosshatched)	No adhesion loss
Pencil Hardness	ASTM D 3363	HB-2H
Reverse Impact	ASTM D 2794-93 (3,000 x inches of metal thickness)	No cracking or loss of adhesion
Flexibility T-Bend	ASTM D 4145-83 (No crack, no pick-off)	0T-3T bends, no loss of adhesion
Mandrel	ASTM D 522-93A (180 bend around 1/8" mandrel)	No cracking

Hunter Units: a standard of key color scales and color values that are used by industry for color control. Oil Canning is a characteristic of metal roofing and not a cause for material rejection. Removable protective film is standard on all architectural sheet products. This protective film **MUST** be removed immediately after installation.

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