



# CASCADIA METALS

Cascadia Printech  
**WOODGRAIN SERIES**  
PVDF Prepainted Steel  
24ga, AZ50



ACORN



GUNSTOCK



BARNBOARD



PONDEROSA



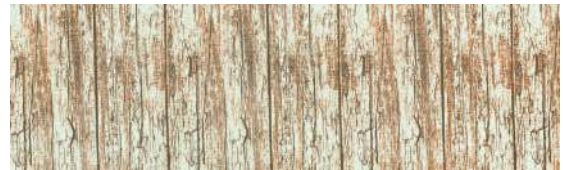
FRONTIER



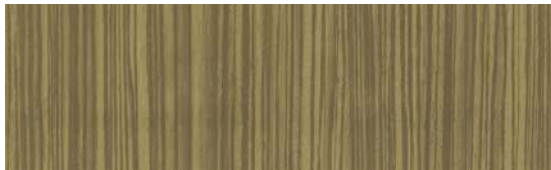
HOMESTEAD



SADDLE



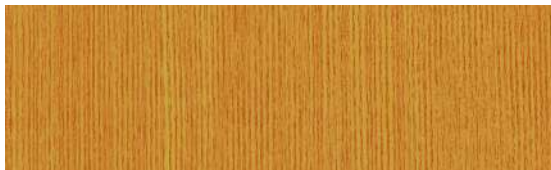
CANYON



WAGONWOOD



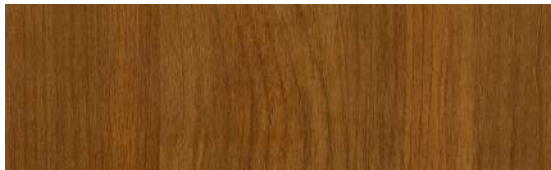
DURANGO



AUTUMN



HERITAGE\*



ESPRESSO

(\*only available in 28 ga. with polyester paint system)

**For custom colors and/or print patterns,  
please contact your Cascadia Metals Sales Representative.**

The base metal for our Printech Woodgrain Series is a 55% Aluminum-Zinc Alloy Coated Steel.

Printech printed steel is batch sensitive and directional in nature. We strongly advise against mixing batches on any project.

The colors shown here 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. Inquire with your Cascadia Metals Sales Representative.

# The Printech Process

Printech® is a luxurious, value-add product offered by Cascadia Metals. Our Printech **WOODGRAIN SERIES** is available in a variety of natural colors and patterns offering an authentic woodgrain look providing the aesthetic you need for your project's interior or exterior applications.

Printech products are manufactured using an offset gravure printing process. The offset gravure printing process utilizes cylinders that have digital patterns etched into the surface. The etched cylinder rotates in an ink bath and ink collects within the etched pattern, with the excess ink being scraped from the cylinder. The inked pattern is then transferred from the etched cylinder to a rubber-covered transfer roll. From there the inked pattern transfers to the steel substrate by passing between the transfer roll and an impression roll.

**Printech WOODGRAIN SERIES - the aesthetics of wood with the benefits only metal can provide.**

PROPERTY	PRINTECH COATING TEST METHOD	PRINTECH COATING SPECIFICATION
Dry Film Thickness	ASTM D 1400-94	0.75-1.85 Mil
	ASTM D 1005-95	0.90-1.15 Mil
Specular Gloss	ASTM D 523-89 @ 60°	10-15
Humidity Resistance	ASTM D 2247 (100% relative humidity @ 95°)	Passes 2,000 hrs. with no field blisters
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	ASTM D 6578 (Cleanability of Defaced Panels spray paint, pens, etc.)	No effect
Abrasion Resistance	ASTM D 968-93 (to expose 5/32" of substrate)	100 Litres
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-H
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)	2T bend, no loss of adhesion
Mandrel	ASTM D 522-93A (180 bend around 1/8" mandrel)	No cracking
Film Integrity		25 years - limited warranty

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.

## ALL THE SELECTION. ONE SOURCE.

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