CASCADIA METALS

PAINT SYSTEMS OVERVIEW

PRE-PAINTED STEEL | ALUMINUM



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PRE-PAINTED METAL

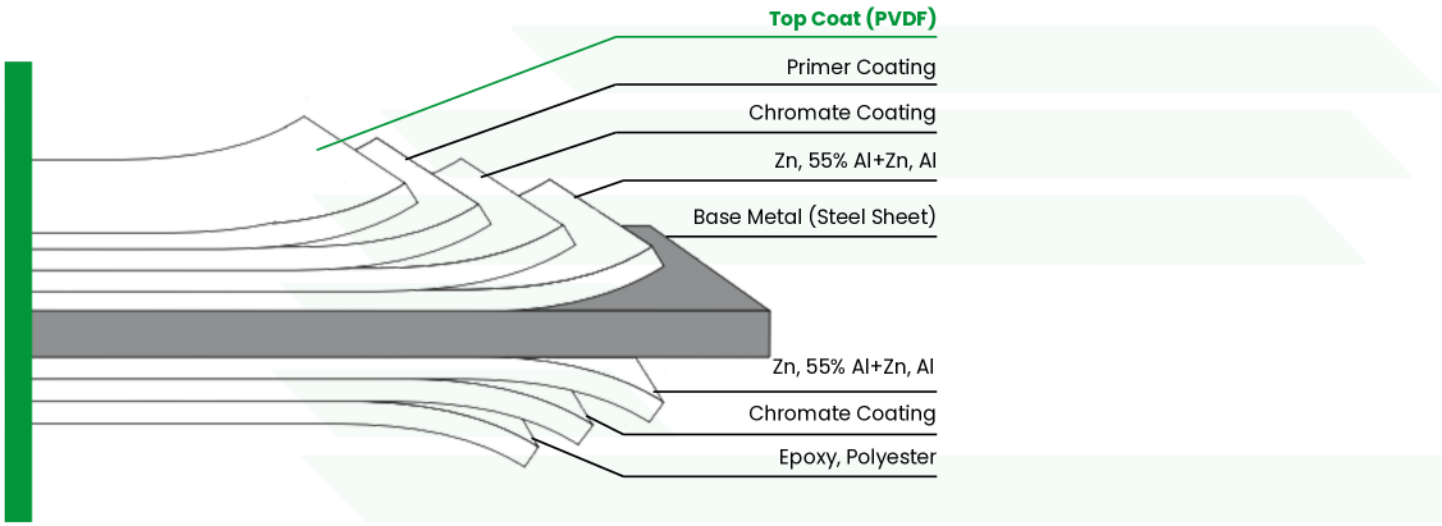
STEEL | ALUMINUM

Cascadia Metals carries a broad range of pre-painted steel and aluminum products, available in both coil and flat sheet. Our pre-painted steel is produced on galvanized and 55% aluminum-zinc alloy coated substrates, delivering outstanding corrosion resistance and long-term performance. For aluminum applications, we offer pre-painted material on the 3105-H14 aluminum substrate, providing excellent formability, corrosion resistance, and consistent coating performance across architectural and industrial applications.

PAINT SYSTEMS

PVDF (POLYVINDYLIDENE FLUORIDE) COATINGS

PVDF is widely regarded as the highest-performing architectural coating for metal construction. Its exceptional durability comes from the strength of the carbon–fluorine bonds in its fluoropolymer resin chemistry, which provide extreme resistance to UV breakdown. Combined with ceramic-grade pigments and multi-layer coating structures, PVDF delivers unmatched resistance to fading, chalking, and gloss loss. It maintains color integrity for decades, even in harsh coastal, industrial, or high-UV environments. PVDF also resists acid rain, salt spray, pollution, humidity, and severe temperature swings, making it the preferred choice for long-term architectural facades and high-profile commercial projects.



SMP (SILICONE MODIFIED POLYESTER) COATINGS

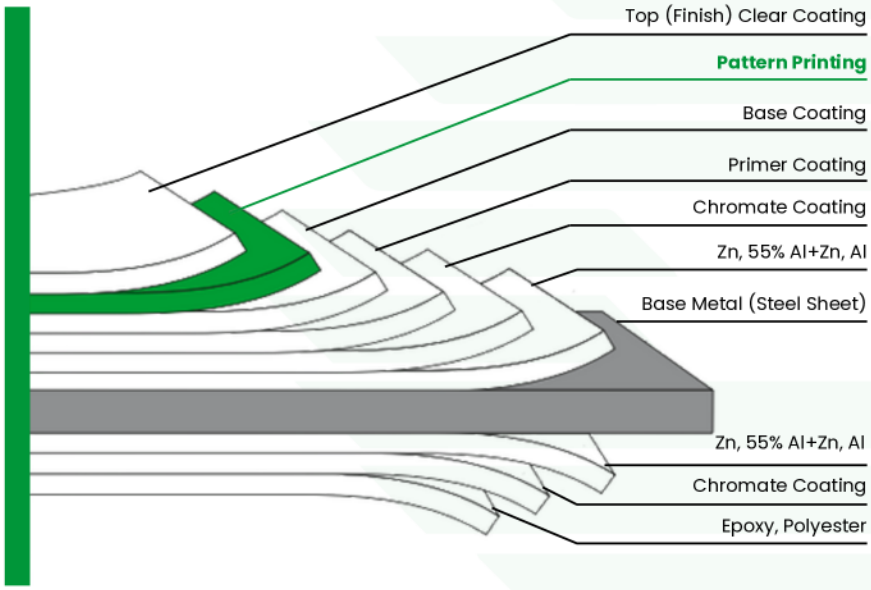
SMP is a high-performance coating system that balances durability, aesthetics, and cost. Built on a polyester resin structure enhanced with silicone additives, SMP significantly improves gloss retention, UV resistance, and weather stability compared to standard polyester coatings. It performs reliably in a wide range of climates—including snow-heavy regions, agricultural zones, and moderate coastal areas—while offering excellent scratch and abrasion resistance. SMP coatings provide strong color stability over time and maintain a clean, durable surface under typical construction exposure.

POLYESTER (PE) COATINGS

Polyester coatings are the most economical paint system and are designed for applications where cost efficiency outweighs long-term aesthetic performance. These coatings offer a hard, scratch-resistant finish and good initial appearance, but their simpler chemistry makes them more prone to chalking, fading, and gloss loss under prolonged UV exposure. They are best suited for inland or low-exposure environments and for utility structures where long-term color retention is not essential.

PRINTED SERIES

Our Printed Series features a curated collection of highly realistic woodgrains and specialty prints created using advanced gravure offset printing technology. This printing process transfers detailed imagery directly onto the coated metal surface with exceptional precision, producing consistent pattern movement and natural variation that closely replicates real wood and textured materials. Each printed design is sealed beneath a durable clear topcoat, protecting the finish from UV exposure, abrasion, moisture, and environmental wear.



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