



CASCADIA METALS

PRE-PAINTED STEEL

Cascadia Metals carries a broad range of pre-painted steel products, focusing specifically on galvanized and 55% aluminum-zinc alloy coated substrates. Available in both coil and flat sheet, our pre-painted steel offer represents the most popular colors in the market today fully supported by industry competitive warranties. And you can be confident the quality and service you receive will be world-class.

PVDF (Polyvinylidene Fluoride)

PVDF is a highly non-reactive and pure thermoplastic fluoropolymer used in a variety of applications where the highest purity, strength, and resistance to solvents, acids, bases, and heat are required. As an added bonus, PVDF has the ability to self-extinguish and generates little smoke in the event of a fire.

PVDF paint systems are developed using specialized ceramic pigments combined with fluoropolymer resins to create high-end coatings for metals. These PVDF paints have extremely good gloss and color retention, superior resistance to chalk and fade, and excellent resistance to the effects of weathering in harsh environments. PVDF paint systems typically come with a standard 30-year limited warranty offered by the paint manufacturer.

PVDF pre-painted steel has been the go-to product for architects and designers around the world to achieve beautiful, vibrant colors with the added benefits of flexibility, durability, and low maintenance that only steel can provide.

PVDF pre-painted steel is best suited for high-end applications such as commercial or residential roofing, pre-engineered buildings, architectural wall panels, facades, and other applications where durability and long-lasting performance are required.



SMP (Silicone-Modified Polyester)

SMP paint systems are developed using a blend of polyester and silicone agents. Silicone acts to improve the gloss retention and weather resistance of the polyester coating. As a rule, the higher the silicone content, the better the performance of the paint.

SMP pre-painted steel has been used in the construction industry for decades and is preferred by many building owners due to the relative durability of the coating and the budget-friendly cost as compared to other more expensive paint systems. SMP paint systems typically come with a standard 40-year limited warranty but the length and what is covered may vary by paint manufacturer.

SMP pre-painted steel is best suited for applications such as residential roofing, agricultural buildings, storage sheds, and other applications where color selection, coating performance, and durability are important to the overall project.



Polyester

Polyester paint systems offer a hard, scratch-resistant finish and a wide range of gloss options, but are prone to chalking when exposed to UV light. These paints can be developed with good weathering properties, but generally not equal to those of SMP or PVDF coatings. Polyester paint systems typically come with a standard 5 to 10-year limited warranty depending on the paint system and manufacturer.

Polyester pre-painted steel is best suited for low-end applications such as rainwater goods, shade and shelter type buildings within the agricultural market, and other applications where durability and long-lasting performance are required.

Field Maintenance for Painted Metal Roofing, Wall Panels, and Accessories

We advise routine cleaning of pre-painted metal roofing, soffits, eaves, gutters, and wall panels to help maintain their overall appearance and performance. For more detailed information on cleaning pre-painted metal products, please consult our Pre-Painted Steel Technical Bulletin #2: Maintenance of Pre-Painted Metal Roofing & Siding.