



Post Materials and Finishes

When choosing the correct material for railing posts, a little knowledge about these materials can go a long way to keeping the project looking amazing for decades. We offer three metal options designed to cover any range of environments: 2205 Stainless Steel, 304 Stainless Steel and Aluminum.

2205 Stainless Steel

Also called Duplex Stainless Steel, 2205 Stainless Steel is a relatively new material to the market that has been designed for extreme coastal conditions. We recommend 2205 for interior or exterior use within 10 miles of the coast.

2205 Stainless Steel is a big upgrade from the industry standard 316 stainless steel, and out performs it significantly. A good measuring tool for corrosion resistance is the PREN scale, or Pitting Resistance Equivalency Number. Any PREN rating over 32 is considered to be fully corrosion resistant. 316 stainless steel only has a rating of 25. 2205 has an impressive rating of 34, making it highly resistant to corrosion.

304 Stainless Steel

With a PREN rating of 20, this is the stainless steel to use if you are 10+ miles from the coast. It is a great solution for interior or exterior projects and can have a brushed or powder coated finish. 304 Stainless Steel excels in sunny, humid or cold settings.

Aluminum

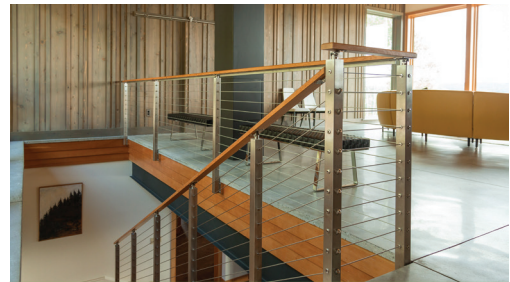
Using aluminum does not sacrifice any strength. All of our posts systems have been tested to well exceed any code requirement, and aluminum is no exception. Although lighter, the wall of the post is thicker and delivers comparable strength to that of steel posts.

We've spent years developing our extensive post prepping process so that our aluminum posts receive a long lasting powder coat finish. Our highest performing powder coat is Fluoropolymer. Due to its unique bonding agent, a Fluoropolymer powder coat on aluminum can withstand the toughest coastal environments as well as the strongest UV rays.

It is recommended that Aluminum Posts with a standard powder coat be used 5+ miles from the coast line. On a microscopic level the standard powder coat is more permeable and better suited to non-coastal use. It's great for interior or exterior applications.



2205 is the ultimate marine-grade Stainless Steel.



304 is perfect for that Stainless flare in non-coastal settings.



Aluminum can be marine-grade or not depending on powder coat.