



PROLINE

ALUMINUM

ARCHITECTURAL RAILING SYSTEMS

Advantages of Aluminum

Aluminum stands as one of the noblest material achieved by the metallurgic industry. The aluminum, symbolized as AL, is the most abundant metallic element in the earth. The Danish chemist Hans Christian Rsted isolated aluminum for the first time in 1825, through a chemical process using a mixture of potassium chloride and aluminum. Aluminum is a metallic element that is derived from bauxite. Aluminum is one of the nearly 100 basic elements that make up the physical universe. The bauxite is extracted by various methods and then grinds into very small particles before refining to recover alumina from which aluminum is made. Once that occurs aluminum can be given forms required by manufacturers to turn into finished products. Aluminum is the preferred choice for **Deck railings** due to several inherent advantages of aluminum such as low maintenance, excellent strength, attractive styles, cost efficient, light weight, long lasting life, etc. One of the main advantages is that aluminum components do not rust, rot or corrode as iron, steel and other products. **Aluminum naturally generates a protective oxide coating and is highly corrosion resistant.** Aluminum railings are given a powder-coat finish that protects the surfaces. This kind of a finish also enhances its appearance and provides a smooth surface for painting, if desired. All the components of the railings are drilled and powder-coated prior to assembly. Extreme care is taken during assembly by using sturdy fasteners, brackets, and rivets. This provides both looks and strength. As aluminum is an easy metal to work with, a plethora of style choices and adornment options are made available to clients. The flexibility of the metal allows for several designs that can complement the façade of the structure they are installed around. A little bit of care exercised during manufacture can ensure a low maintenance railing system. Aluminum railings also meet prescribed safety standards. They are easy to install and are thus cost effective, saving you plenty of money in terms of labor cost. The durability of aluminum railings is such that most of them come with a limited lifetime warranty. The option of a powder-coating finish in various colors gives customers a wide variety of choices. This is one of the main attractions of aluminum railings. The powder coating rarely requires any kind of maintenance. Another important factor in favor of aluminum railings is their competitive pricing. They are more long lasting and more cost effective than the traditional wood, steel or wrought iron. In case part of a railing is damaged, then the damaged part can easily be replaced without disturbing the rest of the product. Being lightweight, aluminum railings are also easy to manage. Aluminum railings are available in a variety of styles and heights. 36" for residential and 42" for the commercial and industrial industry. You can see that aluminum is highly recommendable for modern houses and designs, it can combined with glass and create very modern and original design, if you are interested on this kind of combination, think about the colorful experiments you can do with this mix. Imagination is the limit for aluminum uses, you can take these advantage for your deck railing plans and make your project a unique place that many people may admire.