

Stainless Steel: Why Is It Considered the Green Alloy?

Is there such a thing as a "green alloy"? Well, fortunately, there is - stainless steel. As such, companies that are making a conscious effort in protecting the environment can use it without worrying about inflicting any serious damage to Mother Earth.

So, what makes it a better choice? Why should you use it instead of some other material? Here are some reasons why you should put this alloy on top of your list.

Stainless Steel - Applications and Uses

With its superior corrosion, impact and fire resistance properties, it can give the strength and durability needed to satisfy residential, commercial and industrial applications. In general, stainless steel can be used for construction, cladding, roofing and balustrading purposes. It can likewise be used in building kitchens, laundries, bathrooms and facades.

This material can likewise be used in the production of cookware, cutlery, jewelry, surgical instruments, hardware, major appliances and industrial equipment. It is also used extensively in the transportation, automotive and aerospace industries.

Why It Is Considered as an Environment-Friendly Alloy?

It is 100% recyclable. Did you know that about 50% of all new stainless steel comes from scrap materials? Yes, you heard that right! It can be recycled for infinite number of times without losing its strength.

It can easily be reclaimed from the recycling stream. Due to its magnetic properties, steel can easily be separated from the recycling stream. In fact, the amount of steel recycled in North America in any given year exceeds that of paper, plastic, glass and aluminium combined.

It produces lower CO2 emissions. Carbon dioxide is emitted as a by-product in recycling metal alloys. However, you will be relieved to know that stainless steel does not emit the same amount of carbon dioxide as aluminium and magnesium.

It has a long lifespan. This green alloy can last for about 50 years. With a material as sturdy as this, it will take a longer time before the need to recycle arises. This also means that by using steel, you can help save a lot of natural resources that goes into the recycling process.

It requires less maintenance. Since it is considered to be one of the most hygienic materials available, it will definitely need less maintenance and will only require minimal use of cleaning agents.

As such, using steel alloy can help protect the environment without compromising the style, form and functionality of the end-product.

Now, do you know why using stainless steel can actually be good for the environment?