

Stainless steel is an extremely recyclable material that can be recycled over and over without losing any properties. In the construction industry, the recovery rate of stainless steel is almost 100%. As well as its environmental benefits it is an aesthetically pleasing material that is strong, hygienic and durable. The materials alloying elements make it corrosion resistant and difficult to tarnish.

How it's made...

Unlike Mild Steel, Stainless Steel is a powerful steel alloy. It combines nickel, iron ore, silicon, molybdenum and other raw materials. The ratio of these raw materials affects the type of stainless steel - the difference in corrosion resistance, melting points, and hardness are a few of the properties which are affected by this. The process of making stainless steel includes melting, forming and heat treatment.



PROS

- Stainless steel is most commonly known for its reflective surface but other finishes such as matt or brushed are available.
- It has good mechanical properties - it works across a wide range of temperatures.
- Resistance to heavy wear means it will last a long time.
- Infinitely recyclable without losing any of its properties.
- It's easy to clean - this is why most household kitchen utensils are made from it.



CONS

- It does have a high cost - making such a good material comes at a price.
- It is difficult to weld due to its extremely high melting point.



DisplayMode Sustainability Rating



Start-of-Life (SOL)
Is it made from recycled material?

Recycled Content

End-of-Life (EOL)
Can it be recycled?

Yes it is Recyclable

Economic Value

Compared with similar products



Low Price

High Price

When should I consider Stainless Steel?

Stainless steel in the POS industry is excessive for most applications. Often it is only used when fixings and fixtures are made from it. We use stainless steel fixings on most of our units due to their quality finish and strength properties.

Stainless Steel End-of-Life



As mentioned Stainless steel can be recycled infinitely without losing any of its properties. It also lasts a long time which means disposal and the need for regular recycling is reduced - how often do you throw away your cutlery at home?

