Non ferrous metal

Generally this metals are non magnetic ,Rust-resistant ,Non-corrosive, Pliable

These metals are rarer compared to ferrous metals

They do not lose their chemical properties though used over again

These metals include

- Aluminium
- Copper
- Insulated Wire
- Brass
- Lead
- Zinc
- Tin
- Nickel alloys
- Gold
- Silver

Non-ferrous metals can be found in

- Roofing
- Gutters
- Pipes
- Outdoor Signs

They are used for wiring and electronics

Uses of non-ferrous metals

• Non-Ferrous Metal Recycling promotes the development of new markets.

- Non-Ferrous Metal Recycling is a viable revenue source.
- Non-Ferrous Metal Recycling offers additional materials that can be reused in manufacturing.
- Non-Ferrous Metal Recycling provides additional employment opportunities.
- Non-Ferrous Metal Recycling causes less pollution, produces greater energy savings, and is more environmentally friendly overall.
- Non-Ferrous Metal Recycling provides a safer work environment.
- Non-Ferrous Metal Recycling helps to free up space.

Source link

https://nrimn.com/non-ferrous-metal-recycling/



HOW TO PREVENT IRON FROM RUSTING?

Rusting of iron is due to its reaction with water and air.



The reactions taking place are

- 1. Fe(OH)2 = FeO + H2O
- 2. $4Fe(OH)2 + O2 + H2O \rightarrow 2Fe2O3.5H2O$
- 3. $Fe(OH)3 \rightleftharpoons FeO(OH) + H2O$
- 4. FeO(OH) = Fe2O3 + H2O

On rusting properties of Iron gets reduced

It loses its strength, gets weak. It causes damage to automobiles, grills.

Factors affecting rusting of Iron

- Moisture
- Acid
- Salt(Ocean water)
- Impurity(Pure Iron gets rusted more slowly than Impure Iron)

Steps to prevent Rusting of Iron

 Keep Iron clean and dry Don't let Iron soak in water for a long time



Remove Rust immediately to prevent it from rusting

Galvanization
 In this clean Iron and dip it in molten zinc

