6 Tips For Preventing Rust

In this text, we will share tips on how to prevent rust.

The rusting process begins when iron reacts with oxygen in the presence of water, salt water, acids, or other aggressive chemicals..

1-Keep it clean and dry. Water is the number one enemy. If the object is located in a humid area, install a dehumidifier. Any type of dirt or grime that sticks to the surface can retain water, so it's important to keep the metals clean.

2-Prevent Scratches. Scratches or cracks in the metal expose more metal and retain water, allowing it to remain in contact with the iron.

3-Apply A Protective Coating. Available rust protection: aerosol sprays or cloth wipes can protect metal objects.

4-Use Stainless Steel. Stainless steel resists rusting due to its high Chromium content. Chromium in the alloy is rapidly oxidized, forming a protective layer of chromium oxide on the metal surface, which prevents oxygen from entering the underlying steel.

5-Use Of Galvanized Metal. Electroplating is a process used to keep steel rust-free for many years. Zinc protects steel in three different ways. Preventing the penetration of oxygen and water into steel, the presence of cathodic protection, zinc also has a high reactivity to oxygen and quickly forms a protective coating.

6-regular maintenance. It is important to scrape off the rust as soon as it appears. Then apply a protective coating.. If necessary, apply a new coat of paint to this area.