

# TECPINT ÓXIDO

RUST PASSIVATOR AND CORROSION PROTECTION FOR ARMOR OF CONCRETE AND IRON AND STEEL SURFACES

## APPLICATIONS :

TECPINT OXIDE is a component prepared with the most advanced technology to solve the problem of the rust, achieving totally satisfactory results in the difficult task of removing the same.

It is made from tannic acid that reacts with the oxide when it comes into contact with it, forming a protective layer that prevents the advancement of oxidation and subsequent corrosion. It is the ideal solution for surfaces, since its application is carried out on the adherent oxides, stabilizing and bonding all the layered layers that cover the metal.

## HOW TO USE :

TECPINT OXIDE should not be applied on non-adherent oxides, prior removal will be required of these oxides in a mechanical way.

On adherent bases achieves a transformation of the oxide layer into a stabilized and practically 100% neutral layer due to the oxides being transformed into iron tannates.

## PROPERTIES :

TECPINT ÓXIDO reacts homogeneously with all oxides and hydroxides of bi- and trivalent iron, acts equally on the base metal, i.e. passive the surface of the metal not oxidized, giving a good anchorage to subsequent organic coatings or simply avoiding the oxidation of metal on contact with air.

The salt spray tests have given great results. An application of TECPINT OXIDO, achieves approximately the following comparative results of equally oxidized plates and painted after the treatment:

Eleven times higher than the treatment with metal brushing.

Five times higher than blasting or sandblasting.

Five times higher than pickling with phosphoric acid-based products.

The results obtained considering the TECPINT OXIDE as surface preparation before of paint, are of the following order:

Nine times higher than plates without any preparation.

Five times higher than plates treated with a phosphoric acid-based passivating solution.

## PHYSICAL chemical properties :

Drying speed: Between 15 minutes and 1 hour.

Reaction time: About 12 hours. Before painting it is recommended to wait for these 12 hours, although it is not essential, before applying the coating.

Compatibility with paints: It is precisely with all of them.

Covering power: About 1 liter of 6 to 7 m<sup>2</sup> at one hand

Thermal resistance: withstands without alteration temperatures close to 300°C and for several days. Application temperature: Between -20°C and +50°C. Can be applied on a wet surface. Adhesion: The adhesion is maximum after 24 hours of its application. The protective film it constitutes a perfectly adherent base to organic coatings.



PH: ... .....1-2.  
 Density: ... .....1.018 gr./cm<sup>3</sup>.  
 Appearance: ... .....Liquid.  
 Color ..... White

