

# Condorcoat EC944

## Nanotechnological, chrome free, Pretreatment process

### Physical-Chemical Properties

Physical State	: brown liquid
pH of the product	: 1,8 - 2
Composition	: esafluotitanic and esafluozircorconic acids, silica and inhibitors based passivating solution

### Typical application

CONDORCOAT EC 944 is a liquid chromium free product designed to provide excellent adhesion and corrosion protection properties in multi-metal applications.

In continuous coil application, the wet film is dried on the metal surface, without additional rinsing, prior to painting. Only fresh solution is used, there is no replenishment requirement, and the coating quality is consistently maintained.

### Application condition

Concentration of use	: 50 – 100%
Working temperature	: ambient
Method of application	: rolls applicator, chemical coater
Material for equipments and tanks	: AISI 316 L, PVC, PP, PVDF

### Drying

It is essential that the metal strip leaving the chemical applicator be dried as soon as possible by any means that does not contaminate the surface with fumes, oil or partially burnt gases. The metal temperature of the strip leaving the drying section should be at a minimum of 65-70°C. A warm air flow or the use of infra-red or gas-fired heating panels is the preferred method of drying. Any airflow necessary to aid drying should be limited to a maximum velocity of 90 m/min.