

# Condorcoat 12

## Nanotechnological chrome free conversion coating

### A) Introduction

Condorcoat 12 is a non-chromate, non-phosphate liquid coating chemical used to produce on aluminum and zinc alloys a clear, nearly colorless, chemical dried in place coating.

The coating, when properly applied, has excellent paint bonding properties and affords under film protection.

### B) Operative Data

Concentration	1-2 % in demi water
Temperature	20 – 30 °C
Spray time	10 - 60 sec.
Immersion time	30 – 120 sec

NOTE: If other than DI water is used, it will be necessary to adjust the control points..

### C) Process sequence

- 1) Degreasing-etching
- 2) rinse
- 3) rinse in DI water
- 4) Condorcoat 12
- 5) drying

The work is now ready to be painted

NOTE: after application of the Condorcoat 12 coating chemical treatment rinsing is not required.

### D) Surface preparation

The surface need to be degreased and etched.to eliminated soils and oxide.

Based on conditions of work and on results to achieve our technical representative will recommend the proper process sequence.

### **E) Parameters of the bath**

The concentration range of the product indicated in B section is suitable for normal working conditions of pre painting treatment lines.

However, the particular characteristics of the plant as the line speed, spray time, length of the pieces, can demand a change in the concentration range.

Our technical service is available to define the right parameters for each case.

### **F) Maintenance of the bath**

To keep the solution at the right working title it is enough to use the analysis kit and to follow the control methodology supplied together with the product. In case an automatic control is required we propose our dosing and measuring instrument CONDORCLEAN IC

### **G) Bath treatment**

The product can be purified by our chemical physical plants, our CONDORDEPUR 800 series

