

# Condorfos KT 47 (MU + F)

## Tricationic phosphating for electrogalvanized coils

### Physical chemical properties

Physical state	: Green liquid
pH at 1%	: KT 47 MU (make up) 2,4 +/- 0,3 : KT 47 F (feeding) 1,9 +/- 0,3
Chemical composition	: KT 47 MU zinc: manganese, nickel salts, accelerating and complexing agents : KT 47 F: manganese, nickel salts, accelerating and complexing agents
Free of	: Chrome and nitrites

### Typical applications

Condorfos KT 47 MU and Condorfos KT 47 F are mainly used in the tricationic crystalline phosphating of one or two sides electro galvanized coil surfaces.

In particular, Product KT 47 MU is used in the preparation of working solutions while Product KT 47 F is replenisher.

The conversion coating that is created on the surface, with a weight in the range of 1-2 g/m<sup>2</sup>, gives to the electrogalvanized substrate excellent anticorrosive and anti-finger characteristics. Furthermore the coating has a mainly phospholitic structure that improves the deformability of the sheet in operation like stamping and profiling.

### Characteristics

Absence of toxic compounds such as nitrites makes the product composition in line with the highest standards required by the market.

The phosphatized material can be in line passivated with ecological passivating agent, chrome and fluoride free, like our CONDORCOAT ZN 710.

### Application conditions

Concentration of use	: 30-40 g/l Condorfos KT 47 MU
Working temperature	: 50-60° C
Method of application	: immersion and spray (P= 1-1,5 Bar)
Material for equipment and tanks	: austenitic stainless steel
Treatment time	: 5 ÷ 15 sec

### Maintenance of the solution

For the maintenance of the solution it will be necessary to follow the “analysis methodologies” and add the feeding component CONDORFOS KT 47 F.

### Treatment of the bath

Product can be purified in normal chemical physical treatment plants, our series CONDORDEPUR 800.