XTC-300

Technical Data Sheet

Description

XTC-300 is an environmentally friendly passivation solution based on trivalent chromium chemistry.

Suggested uses and features

XTC-300 is designed for use on galvanized steels to prevent white rust during shipping and storage. In addition to excellent corrosion resistance, XTC-300 also provides other favorable properties such as blackening resistance, heat resistance, solvent resistance and conductivity. It is RoHS compliance.

Technical data

Appearance	dark green
Solid content	20.5 – 23.5%
pH value	0.90 – 0.95
Density (25°C)	1.112 g/cm^3

Properties

Corrosion resistance	0% white rust after 72 hrs in salt spray test (coating weight 40 mg/m^2)
Heat resistance	no color change (200°C/20 min)
Solvent resistance	no color change (20 times 70% ethanol, MEK rub)

Application process

On a continuous galvanizing line: galvanizing → cooling → pulling correction →drying → roll coating (XTC-300) → oven baking

Instructions for use

1) XTC-300 is suited for roll coating applications. It can be used without dilution or after dilution (e.g., 25%), depending on different production conditions. The suggested dry coating weight is between 40 – 70 mg/m^2. The coating weight can be monitored in-line by using XRF.
2) Use XTC-300 original solution for bath replenishing
3) Before coiling, the suggested baking temperature is between 80 – 110 °C (PMT)

Equipment

Materials for processing tank/tray, pump piping and nozzles should be selected from stainless steel such as SS 304, PVC or low-carbon steel lined with chemical-resistant polypropylene.

Packaging

1000 liters IBC tote

Storage

The shelf life of XTC-300 is 6 months. It should be stored at temperatures from 5-40°C. Protect against frost and strong sunlight

Safety

XTC-300 is corrosive material in the sense of current legislation. Please follow the instructions on the SDS