

BC-629 Acid Salt Activator

Introduction

BC-629 acid salt activator is a water-soluble acid powder, which can replace most acids used in electroplating workshops. Has a high stain tolerance and rapid penetration of oxides and dirt. Use BC-629 acid salt activator to make the surface drier, brighter, without sludge, so that the coating has better adhesion and brighter.

Operating conditions and equipment:

Concentration: 30-360 g/L

Temperature: room temperature to 80°C

Tank: Koroseal, rubber, polyethylene, polypropylene, PVC or lead lining

Heating coil: Karbate, graphite or lead

Steps to build a new bath:

Clean the preparation tank and fill it with water, equal to 2/3 of the tank capacity.

Add the required BC-629 acid salt activator and mix

Inject water to the required operating level of the bath and continue mixing until completely dissolved

Use:

BC-629 acid salt activator solution can be used as pickling solution to remove oxides, rust, heat treatment and welding scales.

BC-629 acid salt activator can be regarded as a bubble liquid used for activation before electroplating. It is suitable for zinc alloy, aluminum-lead alloy, iron, cast iron, ductile iron, type 200, 300 and 400 stainless steel.

Typical application:

Pickling iron parts before nickel plating 120 g/L, 15-30 seconds

Pickling iron parts before phosphating 240 g/L, 1-3 minutes

Pickling zinc alloy workpiece before copper plating 30 g/L, 15-30 seconds

Pickling zinc alloy workpiece before passivation 60 g/L, 10-30 seconds

Pickling copper-plated workpieces before nickel plating 60-120 g/L, 10 seconds to 1 minute

Pickling and polishing brass workpieces before nickel plating 60-120 g/L, 10 seconds to 1 minute

Control steps

Titration analysis:

Reagent: Bromocresol green indicator

NaOH 0.5N standard solution

Step:

- a. Pipette 10 mL sample into a 250 Erlenmeyer flask, and add 50 mL water.
- b. Add 5 to 10 drops of bromocresol green indicator.
- c. Titrate with 0.5 N sodium hydroxide solution.
- d. Calculation: $\text{mL } 0.5\text{N NaOH} \times 7.34 = \text{g/L BC-629 acid salt activator}$