

Technical Data Sheet

Blue Passivation EB-402 (TRIVALENT)

Blue Passivation EB-402 is a trivalent chromium base extreme blue passivation formulated for cyanide zinc alkaline zinc and chloride zinc bath. A trivalent passivation gives better corrosion resistance as compare to conventional hexavalent salts. Corrosion resistance can be increase up to seventy two hour with sealant EB-406 application. Trivalent passivation saves cost because it does not required waste treatment.

Make-Up Method:-

- Firstly clean tank thoroughly (PP, PVC Tank Recommended)
- Add required quantity of EB-402
- Maintain Operating level of tank with distilled water.
- Check and adjust pH with nitric acid. To lower pH add sodium hydroxide to raise pH

Operating Parameters:-

- Temperature:- Ambient Temperature
- Concentration:- Part-A (Green) 40~60ml/litter (Optimum 50ml/litter)
Part-B (Blue) 40~60ml/litter (Optimum 50ml/litter)
Nitric Acid 1.0~5.0 ml/litter (Optional)
- Residence: Time:- 20-60 second`s
- pH:- 1.5~2.0

Process:-

- Zinc Plating (10~12 micron recommended)
- Water rinse
- Water rinse
- Nitric Acid 67% (0.3~0.5%)
- Water rinse
- Blue Passivation
- Water rinse
- Water rinse
- Sealant dip (20~40 Second)
- Hot Dry (50~60 °c)

Replenishment:-

- Part A Green will react as passivation salt.
- Part B Blue will react as reaction product/nitric acid.

Cautions:

- Must Wear PPE's Rubber Gloves, Long shoes and apron during chemicals mixing.
- Care should be taken while adding nitric acid.