

Technical Data Sheet

Blue Passivation EB-402 (TRIVALENT)

Blue Passivation EB-402 is a trivalent extreme blue passivation formulated for cyanide zinc alkaline zinc, chloride zinc and sulfate 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:- 40-60 ml/litter (50ml optimum)
- Residence: Time:- 10-30 second's
- pH:- 1.0~1.2

Process:-

- Zinc Plating (10~12 micron recommended)
- Water rinse
- Water rinse
- Nitric Acid 67% (0.3~0.5%)
- Water rinse
- Trivalent Blue Passivation EB-402
- Water rinse
- Water rinse
- Sealant dip EB-406 (20~40 Second)
- Hot Dry (50~60 °c)

Replenishment:-

- Add 5-10 ml /ltr EB-402 to maintain the passivation shade.

Cautions:

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