

Zinc-Nickel SLOTOLOY ZN 210

Zinc-Nickel SLOTOLOY ZN 210 is an alkaline, single-stage process for the deposition of zinc-nickel alloy coatings containing 12 - 15 % by weight nickel. It is used for barrel plating. The new additive system allows steel types with a difficult starting behaviour a deposition on single-stage basis at barrel plating. Zinc-Nickel SLOTOLOY ZN 210 deposits semi-bright to bright alloy coatings with an excellent metal- and alloy distribution. Furthermore, our tests showed a very good throwing power.

Transparent and black conversion layers with a high corrosion protection can be generated by appropriate passivations of our SLOTOPAS series. For a subsequent sealing there are the products of our SLOTOFIN series available.

Zinc-Nickel SLOTOLOY ZN 320

Zinc-Nickel SLOTOLOY ZN 320 is a weak acidic, ammonium- and boric acid-free electrolyte. It's used for the deposition of silky matt or bright zinc-nickel alloy coatings with a nickel content of 12 - 15 % by weight.

Zinc-Nickel SLOTOLOY ZN 320 is suitable for both rack (preferably cast iron!) and barrel application.

The metal content of the electrolyte is maintained in the correct ratio by the application of separate zinc- and nickel anodes. The electric circuit is separated on the anode side that means separate rectifiers are used for the particular anode type.

The electrolyte is characterized by a constant alloy composition over a wide current density range.

By a corresponding Cr(III) containing passivation from our SLOTOPAS series, transparent, blue and black conversion layers with high corrosion protection can be produced. For a possible subsequent sealing, products of our SLOTOFIN series are available.

Zinc-Nickel SLOTOLOY ZN 80

Alkaline zinc-nickel alloy electrolyte, rack variant, layers with of 12 - 15 % by weight nickel in the alloy.

APPLICATION

- Universally applicable (e.g. automotive, fasteners, construction, appliances and fittings)

PROCESS

- Rack variant
- Operation with insoluble nickel or steel anodes

BENEFITS

- Excellent metal- and alloy distribution
- No burnings in high current density areas
- Resource-saving operation without the mandatory dilution of the electrolyte
- Extremely robust process

Zinc-Nickel SLOTOLOY ZN 80 VX

Alkaline zinc-nickel alloy electrolyte, layers with a nickel content of 12 - 15 % by weight.

APPLICATION

- Universally applicable (e.g. automotive, sheet- and wire products)

PROCESS

- Rack plating lines
- Patented Special Anode VX 1 technology
- Uniform alloy composition over a wide current density range
- Gentle freezing-out of carbonate and sulphate is possible, no dilution necessary

BENEFITS

- Resource-saving and therefore particularly economical
- Excellent starting performance
- Extremely robust process