



## ZINC thick-film

**Maximum workpiece size**  
**6,000 x 1,500 x 450 mm**

One of the most frequently used processes to achieve secure and cost-effective protection against corrosion is the electroplating of zinc. Steel workpieces whose surfaces are galvanized offer effective corrosion protection. Zinc has a negative potential compared to iron. Zinc is therefore very well suited as a sacrificial anode for the cathodic corrosion protection of iron alloys (remote protective action).

A further advantage of zinc is that workpieces are protected against rust even if the upper coating is damaged. Thanks to this property, sub-rusting is almost impossible. Galvanically galvanized components with passivation provide an excellent base for subsequent powder coating or painting. In addition, compared to other systems, there is a very homogeneous coating as its surface has almost no texture and only replicates the pre-existing surface.

The corrosion protection properties can be further improved by means of thick-film passivation and sealing.

### Advantages

- » deposited from alkaline-cyanide-free zinc electrolyte
- » excellent metal distribution
- » good corrosion protection with sealing upon request
- » excellent throwing power
- » optimal connection to the base material
- » transparent look
- » chromium-VI and cobalt-free surface
- » very good paintability

### Applications

- » machinery and facility construction
- » shop fitting
- » automotive
- » electrical
- » agricultural machinery
- » fastening elements, screws, nuts, ...
- » etc.