

DELTA-PROZINC® 5015

Article number: 084GE020

The DELTA-PROZINC® 5015 describes the electroplating process to generate a zinc based corrosion protection system with high performance. Quality and properties of the coating are determined by the system. The DELTA-PROZINC® 5015 is free of nickel and cobalt. The process steps pretreatment, zinc electroplating, passivation and sealing are defined by the DELTA-PROZINC® 5015. The pretreatment steps are as follows: hot alkaline decreasing, acidic pickling and electrolytic decreasing. A type of alkaline electrolyte is used for the galvanising process. A thick layer passivation causes an iridescent conversion layer on the galvanised surface. The final sealing process leads to improved corrosion protection and improved chemical resistance as well. The iridescent effect of the conversion layer is reduced. A defined coefficient of friction window can be fixed.

CATEGORY

electroplating system

REQUIREMENTS

Corrosion resistance

- fulfils salt spray test according to DIN EN ISO 9227 as requested in VDA 233-101
- fulfils salt spray test according to DIN EN ISO 9227 as requested in ISO/CD 4042

Special features

- hybrid system
- water-based
- integrated lubricant
- gaugeability
- alkaline galvanized

Defined coefficient of friction window

- $\mu_{\text{tot}} = 0,12-0,18$ (Renault 01-50-005/D & Volvo VCS 5737)

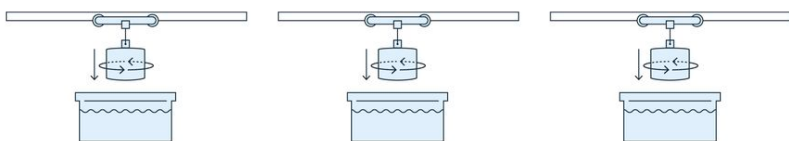
Resistance against

- Corrosion resistance
- Defined coefficient of friction window

Surface / Substrate

- steel
- zinc die cast
- Recommended zinc layer thickness 8 - 20 μm
- The technical feasibility depends on pretreatment and individual characteristics of each material.

Application technology



dip-spin

dipping (drum)

dipping (drain)

Legal conditions

- meets the EU End-of-Life Vehicle Directive 2000/53/EC
- meets the RoHS 2 guidelines (also known as EU Directive on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment 2002/95/EC)
- meets the REACH requirements

Contact Person

- Christian Lenzmann

SELECTION OF SUITABLE PARTS

Advised parts



Big parts

Panels

Metrical threaded
bolts M2-M16

Non metrical
threaded parts

Stamped parts



Nuts

Pipes and tubes

Suitable parts



Washers

Brake parts