DELTA-PROZINC® 5010

Article number: 084GE018

The DELTA-PROZINC® 5010 describes the elecroplating 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® 5010 is free of nickel and cobalt.The process steps pretreatment, zinc electroplating, passivation and sealing are defined by the DELTA-PROZINC® 5010. The pretreatment steps are as follows: hot alcaline decreasing, acidic pickling and electrolytic decreasing. A type of alcaline electrolyte is used for the galvanising process. A thick layer passivation causes an iridescend conversion layer on the galvanised surface. The final sealing process leads to improved corrosion protection and improved chemical resistance as well. The iridescend effect of the conversion layer is reduced. A defined coefficent of friction window can be fixed.

CATEGORY

electroplating system

Dörken Coatings NA, 11200 Cedar Knoll Drive, PO Box 429, Grass Lake, Michigan 49240, U.S.A.
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Date: 03/28/24

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
- alkaline galvanized

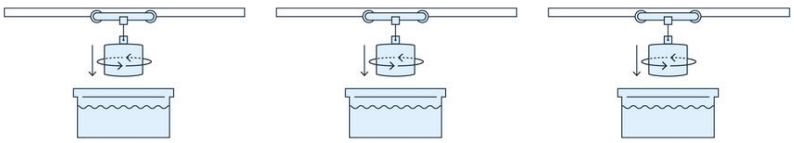
Resistance against

- Corrosion resistance

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

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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

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