DELTA-PROTEKT® KL 101

Article number: 08405496

DELTA-PROTEKT® KL 101 is a base coat made of zinc flake technology. The sacrificial characteristics of the zinc lead to the cathodic protection properties of this basecoat.The DELTA-PROTEKT® KL 101 is applied via a non-electrolytic application technique directly onto the substrate (part). The zinc flake technique is described in the standards DIN EN ISO 10683 and DIN EN ISO 13858. The application technology can vary according to the dimension and weight of the part; e.g. small parts are usually coated as dip-spin, bigger parts are usually spray coated. An optional top coat can enhance the corrosion protection properties as well as create some multifunctional characteristics such as a defined window of coefficient of friction, resistances to media, colouring etc.All Dörken MKS products have always been free of harmful heavy metals such as chromium VI. As there is no hydrogen involved during the application process, there is no danger of application-related hydrogen-induced stress corrosion cracking.

CATEGORY



Basecoat

Dörken Coatings NA, 11200 Cedar Knoll Drive, PO Box 429, Grass Lake, Michigan 49240, U.S.A.
Phone: +1 517 522 4600, Email: info@doerkenusa.com, Web: www.doerkenusa.com

REQUIREMENTS

Corrosion resistance

- reaches a cathodic corrosion protection as requested per DIN EN ISO 10683
- fulfils salt spray test according to DIN EN ISO 9227 as requested in DIN EN 13858
- fulfils salt spray test according to DIN EN ISO 9227 as requested in DIN EN ISO 10683

Special features

- inorganic
- solvent-based
- gaugeability

Media resistance

- fulfils chemical resistance against operating fluids according to DIN EN ISO 2812

Resistance against

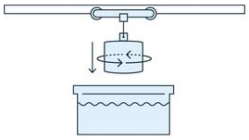
- Corrosion resistance
- Media resistance

Surface / Substrate

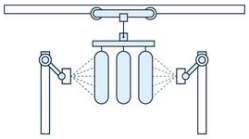
- steel
- high-strength steel
- stainless steel
- sintered metal
- zinc die cast
- aluminum die cast
- passivated zinc/zinc alloys
- typical dry film thickness of 6-12 µm
- Even layer construction possible.
- The technical feasibility depends on pretreatment and individual characteristics of each material.

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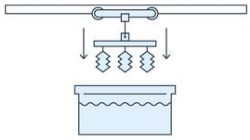
Application technology



dip-spin



spray



dip-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

- Florian Feldmann

SELECTION OF SUITABLE PARTS

Advised parts



Panels

Pipes and tubes

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Suitable parts



Washers



Hose clamps



Big parts



Metrical threaded bolts >M16



Metrical threaded bolts M2-M16



Non metrical threaded parts



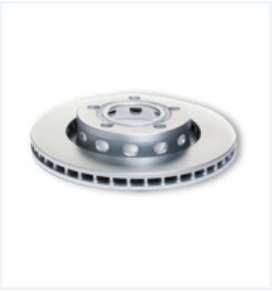
Clips



Stamped parts



Nuts



Brake parts



Bearings



Springs

SPECIFICATIONS

ASTM - F3125

ArvinMeritor - P105

FAW China - 2015055

Mahindra - G00 0056

Meritor - 913

Renault Trucks - 01-71-4002 / I

TATA Motors Ltd - SS 8457S1

Alstom Transport - DTRF 150217 E

Bosch - 0 445 YP2 xxx

Kenersys - KSY_SPC_bolt

Meritor - P-105

Nissan - M 4601

Siemens Mobility - Version D

Volkswagen - TL 233

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