DELTA-PROTEKT® KL 100

Article number: 08402759

DELTA-PROTEKT® KL 100 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 100 is applied via a non-electrolytic application technique directly onto the substrate (part). The zinc flake technique is described in the standards ISO 10683 and 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
- fulfils salt spray test according to DIN EN ISO 9227 as requested in DIN EN ISO 12944-6
- fulfils accelerated corrosion test II (ACT-II Test) according to Volvo VCS 1027,1449

Special features

- inorganic
- solvent-based
- gaugeability

Media resistance

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

Resistance against

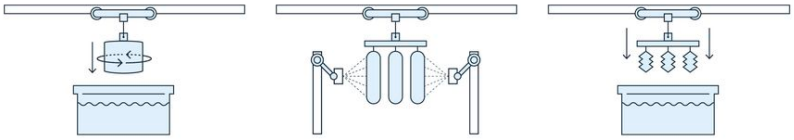
- Corrosion resistance
- Media resistance

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

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SELECTION OF SUITABLE PARTS

Advised parts



Washers



Hose clamps



Metrical threaded bolts >M16



Metrical threaded bolts M2-M16



Non metrical threaded parts



Clips



Stamped parts



Nuts



Springs

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Suitable parts



Big parts



Panels

Pipes and tubes



Brake parts



Rivets



Bearings

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DÖRKEN
COATINGS

SPECIFICATIONS

AGCO - FWN 10256

AST - Gurtumlenker

ASTM - F3393

ASTM - F3125

Alstom Transport - DTRF 150217 E

Amazone - AWN 004002

ArvinMeritor - AM P104

Autoliv - Teilefreigabe / parts specification

BMW - GS 90010

Bombardier - RON 444

Bosch - N67F 827

Bossard - EV Engineer appendix Rev. 08

Brembo - BDS-11.22

Brose - Teilefreigabe / parts specification

Brose - BN590295-109

Case New Holland - MAT0320

Caterpillar - 1E1675

Chassis Brakes International - 0 204 Y81 074-AD

Chongqing Changan - GY-TY-19-2017

Continental Teves - ATE N 106 61.00

DAF - W+O **493

DIBt - General approval for building law

Daimler - DBL 8440

Daimler - DBL 9440

Daimler - DBL 9441

Delphi - DX551800

Deutsche Bahn - Mobility Networks Logistics - Spezifikation

Deutz - LV01610144

FAW China - 2015055

FCA (Fiat Chrysler Automotive) - 9.57513

FCA (Fiat Chrysler Automotive) - PS-10633

Fiulsider Spa - ST025

Ford Motor Company - WSD-M21P11 [S307]

Ford Motor Company - WSS-M21P42 [S442]

Ford Motor Company - WSS-M21P42

General Motors - GMW3359

Hendrickson Truck Suspension - HTES-1283

Hyundai Rotem - RS 60101-J

Hyundai-Kia - MS 619-08

ISO - ISO/EN 10683

ISUZU - ISC-B22-003F

International Truck - TMS-4518

Iveco - 18-1101

JCB - STD00017

Jaguar Land Rover - STJLR.50.5045

Jaguar Land Rover - STJLR.60.5020.X100

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