

DELTA-PROTEKT® KL 100

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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

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

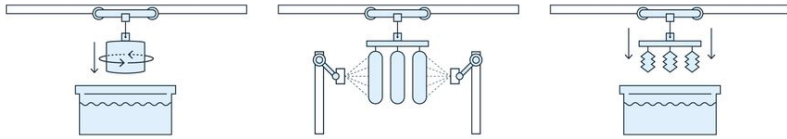
Resistance against

- 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.

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

				
Washers	Hose clamps	Metrical threaded bolts >M16	Metrical threaded bolts M2-M16	Non metrical threaded parts
				
Clips	Stamped parts	Nuts	Springs	

Suitable parts



Big parts



Panels



Pipes and tubes



Brake parts



Rivets



Bearings

SPECIFICATIONS

AGCO - FWN 10256	AST - Gurtumlenker
ASTM - F3393	ASTM - F3125
Alstom Transport - DTRF 150217 E	Amazon - 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 - o 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