# DELTA-PROTEKT® KL 105

## Article number: 08405488

DELTA-PROTEKT® KL 105 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 105 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
- integrated lubricant
- gaugeability

Defined coefficient of friction window

- µtot = 0,12-0,18 (Renault 01-50-005/D & Volvo VCS 5737)

Media resistance

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

Resistance against

- Corrosion resistance
- Media resistance
- Defined coefficient of friction window

Surface / Substrate

- steel
- high-strength steel
- stainless steel
- 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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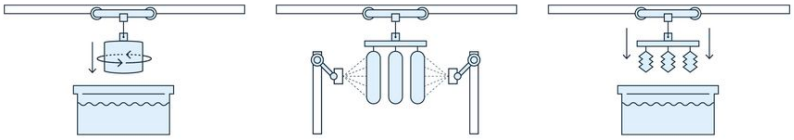
## Application technology



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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DÖRKEN
COATINGS

# SELECTION OF SUITABLE PARTS

## Advised parts

Washers

Hose clamps

Big parts

Metrical threaded bolts >M16

Metrical threaded bolts M2-M16

Non metrical threaded parts

Clips

Nuts

Bearings

Springs

## Suitable parts

Panels

Stamped parts



Pipes and tubes

Brake parts



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# SPECIFICATIONS

ASTM - F3393

ASTM - F3125

Alstom Transport - DTRF 150217 E

Case New Holland - MAT0320

Caterpillar - 1E1675

Chassis Brakes International - 0 204 Y81 074-AD

Daimler - DBL 9440

Deutsche Bahn - Mobility Networks Logistics - Spezifikation

FAW China - 2015055

FCA (Fiat Chrysler Automotive) - 9.57513

FCA (Fiat Chrysler Automotive) - PS-11036

FCA (Fiat Chrysler Automotive) - PS.50043

General Electric - E00C12200

Hendrickson Truck Suspension - HTES-1283

Hyundai Rotem - RS 60101-J

ISO - ISO/EN 10683

Iveco - 18-1101

JCB - STD00017

Jaguar Land Rover - STJLR.60.5020.X100

Kamax - KN-5506

Kenersys - KSY_SPC_bolt

Kion (Linde) - WN 10616 - Teil 2

Liebherr - LN 10021432 (Version 9)

Nissan - M 4601

Peugeot-Citroen - PSA - B153320

Renault - 01-71-002/--R

Renault Trucks - 01-71-4002 / I

SAF-HOLLAND - Technical Specification

Volkswagen - TL 245


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