DELTA®-SEAL SILBER

Article number: 08400014

DELTA®-SEAL SILBER is a topcoat for a zinc flake basecoat or for other metallic substrates. In a system e.g. made of basecoat + topcoat, it is responsible for multifunctional characteristics such as a defined coefficient of friction window, resistance to media, colouring etc. Additionally, it can enhance the corrosion protection properties of the basecoat.The DELTA®-SEAL SILBER 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. 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

DS-Topcoat

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

Date: 04/25/24

REQUIREMENTS

Corrosion resistance

- delays galvanic corrosion
- enhances the corrosion protection of the basecoat

Special features

- organic
- solvent-based
- gaugeability
- compatible for patching
- over-paintable
- gluability

Weathering resistance

- fulfils the requirements of natural outdoor exposure according to DIN EN ISO 12944-2

Media resistance

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

Adhesion

- fulfils the requirements of the bend test (conical mendril) acc to DIN EN ISO 6860.
- fulfils the requirements of cupping test acc to DIN EN ISO 1520.

Resistance against

- Corrosion resistance
- Media resistance
- Weathering resistance
- Resistance against mechanical influence

Surface / Substrate

- zinc flake basecoat

Date: 04/25/24

- stainless steel
- zinc die cast
- aluminum die cast
- passivated zinc/zinc alloys
- Phosphat
- typical dry film thickness of 4-20 µm
- Even layer construction possible.
- The technical feasibility depends on pretreatment and individual characteristics of each material.

Application technology
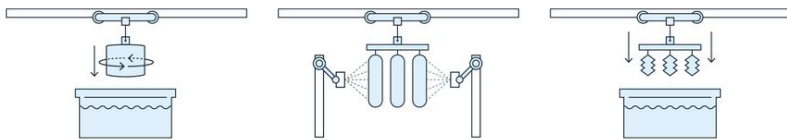
dip-spin   spray   dip-drain

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

- Thorsten Speck

SELECTION OF SUITABLE PARTS

Advised parts

Washers	Hose clamps	Big parts	Panels	Non metrical threaded parts

Clips	Stamped parts	Springs

DÖRKEN COATINGS

Suitable parts

Metrical threaded bolts >M16

Metrical threaded bolts M2-M16

Nuts

Pipes and tubes

Brake parts

Rivets

Bearings

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SPECIFICATIONS

ASTM - F3393

Acciona Windpower - CS0129

ArvinMeritor - AM P104

Avdel - Breakstem Systems

Avdel - Fastriv® Self-piercing Rivets

Avdel - Threaded Inserts

BMW - GS 90010

Bosch - N67F 827

Brose - BN590295-109

Continental Teves - ATE N 106 61.00

Continental Teves - ATE N 106 36.31

Daimler - DBL 8440

Enercon - MK06000-0

FAW China - 2015055

FCA (Fiat Chrysler Automotive) - PS-7626

FCA (Fiat Chrysler Automotive) - PS-10633

Ford Motor Company - WSD-M21P11

General Motors - GMW14100

Hendrickson Truck Suspension - HTES-1283

Hyundai-Kia - MS 619-08

ISO - ISO/EN 10683

ISUZU - ISC-B22-003F

Jaguar Land Rover - STJLR.60.5020.X100

John Deere - JDM F13

John Deere - LaN 930-11.4

Kamax - KN-5506

Kenersys - KSY_SPC_bolt

Kiekert - WI-D-27-10-07-00

Knorr-Bremse - N12005, P01

Mahindra - G00 0056

Mando - MES-M-06-006

Moeller - KT 65.15.256

Nissan - M 4601

PSA - Opel - GM7111M (replace with GMW14100 or GMW3179 Code A)

PSA - Opel - GME00255

Renault Trucks - 01-71-4002 / I

Schneider Electric - ABD00048

Siemens Mobility - Version D

Stihl - SWN 33011-01

Suzlon - AE Rotortechnik - M0606600

TRW - TS2-25-60

Volkswagen - TL 265

Volkswagen - TL 233

Volvo - STD 5752,53

WABCO - Parts specification

ZF - ZFB 998

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