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

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

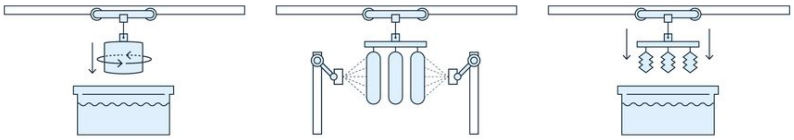
Surface / Substrate

- zinc flake basecoat

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

- 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

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

SELECTION OF SUITABLE PARTS

Advised parts



Washers



Hose clamps



Big parts



Panels



Non metrical threaded parts



Clips



Stamped parts



Springs

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

Suitable parts



Metrical threaded bolts >M16



Metrical threaded bolts M2-M16



Nuts

Pipes and tubes



Brake parts



Rivets



Bearings

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

DÖRKEN
COATINGS

SPECIFICATIONS

ASTM - F3393

ArvinMeritor - AM P104

Avdel - Fastriv® Self-piercing Rivets

BMW - GS 90010

Brose - BN590295-109

Continental Teves - ATE N 106 36.31

Enercon - MK06000-0

FCA (Fiat Chrysler Automotive) - PS-7626

Ford Motor Company - WSD-M21P11

Hendrickson Truck Suspension - HTES-1283

ISO - ISO/EN 10683

Jaguar Land Rover - STJLR.60.5020.X100

John Deere - LaN 930-11.4

Kenersys - KSY_SPC_bolt

Knorr-Bremse - N12005, P01

Mando - MES-M-06-006

Nissan - M 4601

PSA - Opel - GME00255

Schneider Electric - ABD00048

Stihl - SWN 33011-01

TRW - TS2-25-60

Volkswagen - TL 233

WABCO - Parts specification

Acciona Windpower - CS0129

Avdel - Breakstem Systems

Avdel - Threaded Inserts

Bosch - N67F 827

Continental Teves - ATE N 106 61.00

Daimler - DBL 8440

FAW China - 2015055

FCA (Fiat Chrysler Automotive) - PS-10633

General Motors - GMW14100

Hyundai-Kia - MS 619-08

ISUZU - ISC-B22-003F

John Deere - JDM F13

Kamax - KN-5506

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

Mahindra - G00 0056

Moeller - KT 65.15.256

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

Renault Trucks - 01-71-4002 / I

Siemens Mobility - Version D

Suzlon - AE Rotortechnik - M0606600

Volkswagen - TL 265

Volvo - STD 5752,53

ZF - ZFB 998

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