DELTA®-SEAL SCHWARZ

Article number: 08400025

DELTA®-SEAL SCHWARZ 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 SCHWARZ 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 laboratory chemicals according to DIN EN ISO 2812
- fulfils chemical resistance against operating fluids according to DIN EN ISO 2812
- fulfils fertilizer resistance as per customer specification AMAZONE

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

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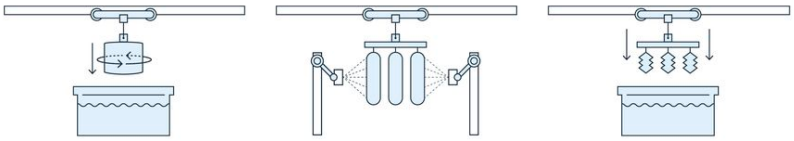
- zinc flake basecoat
- stainless steel
- zinc die cast
- aluminum die cast
- passivated zinc/zinc alloys
- Phosphat
- typical dry film thickness of 4-20 µm
- Even layer construction possible.
- The technical feasibility depends on pretreatment and individual characteristics of each material.

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

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SELECTION OF SUITABLE PARTS

Advised parts

Washers

Big parts

Panels

Non metrical threaded parts

Clips

Stamped parts

Pipes and tubes

Brake parts

Springs

Suitable parts

Metrical threaded bolts >M16

Metrical threaded bolts M2-M16

Nuts

Rivets

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DÖRKEN
COATINGS

SPECIFICATIONS

AST - Gurtumlenker

Acciona Windpower - CS0129

Avdel - Fastriv® Self-piercing Rivets

BMW - GS 90010

Bosch - N67F 827 (closed for new parts)

Continental Teves - ATE N 106 61.00

Daimler - DBL 8440

Daimler - DBL 8451

FCA (Fiat Chrysler Automotive) - PS-10633

Ford Motor Company - WSD-M21P10 [S303]

Hendrickson Truck Suspension - HTES-1283

ISUZU - ISC-B22-003F

Jaguar Land Rover - STJLR.60.5020.X100

John Deere - JDM F13

Kenersys - KSY_SPC_bolt

Kion (Linde) - WN 10 615

Kässbohrer - KGN 202.20

MAN - 183-2

Mando - MES-M-06-006

PSA - Opel - GME00255

Porsche - VW96215 (PTL 7529)

Schneider Electric - ABD00048

Siemens Mobility - Version D

ASTM - F3393

ArvinMeritor - AM P104

Avdel - Breakstem Systems

Bosch - F 01C 930 017

Brose - BN590295-109

Continental Teves - ATE N 106 36.31

Daimler - DBL 9441

Enercon - MK06000-0

FCA (Fiat Chrysler Automotive) - PS-7626

General Motors - GMW14100

ISO - ISO/EN 10683

JCB - STD00017

John Deere - LaN 930-11.4

Kamax - KN-5506

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

Knorr-Bremse - N12005, P01

MAN - 183-3

Mahindra - G00 0056

Nissan - M 4601

Palfinger - 01.06.12

Renault Trucks - 01-71-4002 / I

Siemens Infrastructure & Cities - A6Z00033015319

Stihl - SWN 33011-01

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