DELTACOLL® 80 GZ SCHWARZ

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DELTACOLL® 80 GZ SCHWARZ is a topcoat for an electroplated substrates. In the system zinc + topcoat it is responsible for multifunctional characteristics such as a defined coefficient of friction window, barrier effect, resistance to media, colouring etc. The DELTACOLL® 80 GZ 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



Deltacoll

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Phone: +1 517 522 4600, Email: info@doerkenusa.com, Web: www.doerkenusa.com

REQUIREMENTS

Corrosion resistance

- enhances the corrosion protection of the basecoat

Special features

- hybrid system
- solvent-based
- integrated lubricant
- gaugeability

Defined coefficient of friction window

- µtot = 0,09-0,14 (VDA 235-101 & DBL 9440)
- prevents stick-slip effects as according to VDA 235-203

Media resistance

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

Resistance against

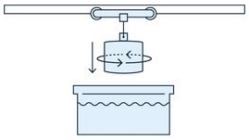
- Corrosion resistance
- Media resistance
- Defined coefficient of friction window

Surface / Substrate

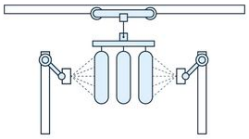
- passivated zinc/zinc alloys
- extreme thin layers of 1-3 µm possible
- Even layer construction possible.
- The technical feasibility depends on pretreatment and individual characteristics of each material.

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Application technology



dip-spin



spray

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

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DÖRKEN
COATINGS

SELECTION OF SUITABLE PARTS

Advised parts



Washers



Metrical threaded bolts M2-M16



Non metrical threaded parts



Clips



Stamped parts



Nuts

Suitable parts



Panels

Pipes and tubes



Bearings

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DÖRKEN
COATINGS

SPECIFICATIONS

AGCO - FWN 10256

PSA - Opel - GME00252

VDA - VDA 235-104

ZF - ZFB 865

BMW - GS 90010

TRW - TS2-21-79

Volkswagen - TL 244

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