

DELTA-PROTEKT® VH 300

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DELTA-PROTEKT® VH 300 is a topcoat for a zinc flake basecoat. In a system 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-PROTEKT® VH 300 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



VH-Topcoat

REQUIREMENTS

Corrosion resistance

- enhances the corrosion protection of the basecoat

Special features

- inorganic
- water-based

Media resistance

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

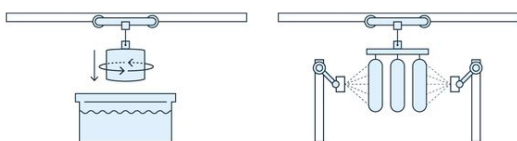
Resistance against

- Corrosion resistance
- Media resistance

Surface / Substrate

- zinc flake basecoat
- extreme thin layers of 1-3 μm possible
- Even layer construction possible.
- The technical feasibility depends on pretreatment and individual characteristics of each material.
- Technical characteristics such as coefficient of friction, corrosion protection, adhesion etc. are to be tested individually after each application when applied on electroplated surfaces. Dörken MKS does not guarantee the quality of the system when applied on external base coatings. Any Duplex-system is on top to be approved by Dörken MKS.

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

- Emre Kocak

SELECTION OF SUITABLE PARTS

Advised parts

				
Washers	Big parts	Panels	Metrical threaded bolts >M16	Metrical threaded bolts M2-M16
				
Non metrical threaded parts	Stamped parts	Nuts	Brake parts	Springs

Suitable parts



Hose clamps

Clips

SPECIFICATIONS

ASTM - F3393

Bosch - N67F 827

Brose - BN590295-109

Daimler - DBL 8440

FCA (Fiat Chrysler Automotive) - PS-10633

ISO - ISO/EN 10683

Kenersys - KSY_SPC_bolt

PSA - Opel - GME00255

Scania - STD 4165

Volkswagen - TL 245

ArvinMeritor - AM P104

Brembo - BDS-11.22

Continental Teves - ATE N 106 61.00

Daimler - DBL 9441

Hyundai-Kia - MS 619-08

Kamax - KN-5506

Kion (Linde) - WN 10 615

Porsche - VW96215 (PTL 7529)

Siemens Mobility - A6Z00040590559