

## DELTA-PROTEKT® VH 315

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DELTA-PROTEKT® VH 315 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 315 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
- integrated lubricant
- gaugeability

### Defined coefficient of friction window

- $\mu_{\text{tot}} = 0,12-0,18$  (Renault 01-50-005/D & Volvo VCS 5737)

### Media resistance

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

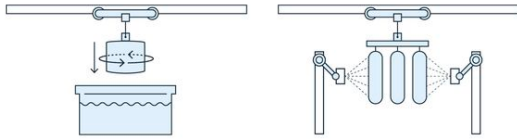
### Resistance against

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

### Surface / Substrate

- zinc flake basecoat
- extreme thin layers of 1-3  $\mu\text{m}$  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

Metrical threaded  
bolts >M16

Metrical threaded  
bolts M2-M16

Non metrical  
threaded parts



Stamped parts

Nuts

Brake parts

## Suitable parts



Hose clamps

Panels

Clips

Pipes and tubes

Bearings



Springs

## SPECIFICATIONS

Alstom Transport - DTRF 150217 E

Case New Holland - MAT0320

Chongqing Changan - GY-TY-19-2017

Hendrickson Truck Suspension - HTES-1283

Iveco - 18-1101

Peugeot-Citroen - PSA - B153320

Renault Trucks - 01-71-4002 / I

Würth - WS-008

ArvinMeritor - AM P104

Chassis Brakes International - 0 204 Y81 074-AD

Daimler - DBL 9441

ISO - ISO/EN 10683

PSA - B15 3320

Renault - 01-71-002/--R

TATA Motors Ltd - SS 8457S1