

DELTA-PROTEKT® KL 170 RT

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DELTA-PROTEKT® KL 170 RT is a base coat made of zinc flake technology for industrial series production in a low temperature range. The sacrificial characteristics of the zinc lead to the cathodic protection properties of this basecoat. The DELTA-PROTEKT® KL 170 RT 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. An optional top coat can enhance the corrosion protection properties as well as create some multifunctional characteristics such as a defined window of coefficient of friction, resistances to media, colouring etc. 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



Basecoat

REQUIREMENTS

Corrosion resistance

- fulfils salt spray test according to DIN EN ISO 9227 as requested in DIN EN 13858
- fulfils constant humidity test according to DIN EN ISO 6270-2 (CH)
- fulfils salt spray test according to DIN EN ISO 9227 as requested in DIN EN ISO 10683
- reaches a cathodic corrosion protection as requested per DIN EN ISO 10683
- fulfils salt spray test according to DIN EN ISO 9227 as requested in VDA 233-101

Special features

- inorganic
- solvent-based
- over-paintable

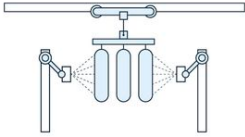
Resistance against

- Corrosion resistance

Surface / Substrate

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

Application technology



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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SELECTION OF SUITABLE PARTS

Advised parts



Big parts

Stamped parts

Brake parts

Bearings

SPECIFICATIONS

ASTM - F3393