

DELTA-PROTEKT® TC 500 GZ

Product description

DELTA-PROTEKT® TC 500 GZ is a silver topcoat for a zinc flake basecoat or other metallic substrates. In the system, DELTA-PROTEKT® TC 500 GZ is responsible for multifunctional properties such as a defined coefficient of friction, media resistance, coloring, etc. It can also increase the corrosion protection of the basecoat. It can also increase the corrosion protection of the basecoat.

The coating process is described in the standards DIN EN ISO 10683 and DIN EN 13858. The application technology may vary depending on the dimensions, geometry and weight of the component as well as other influences.

DELTA-PROTEKT® TC 500 GZ is - like all Dörken products - free from harmful heavy metals such as chromium(VI). As no hydrogen is offered during the application process, there is no risk of application-related hydrogen-induced stress corrosion cracking.

You can always find the latest specifications from individual OEMs and suppliers on our homepage.

Product properties

Colour designation in the dried state

Silver

Corrosion resistance

- Enhances the corrosion protection of the basecoat
- Delays galvanic corrosion

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

Resistance against mechanical influence

- Fulfils the requirements of the bend test (conical mendril) acc to DIN EN ISO 6860.

Defined coefficient of friction window

- $\mu_{tot} = 0.10-0.16$ (ISO 16047)*
- *Measured on Basecoat DELTA-PROTEKT® KL 120 with M10x60 hexagon head test screw Ford
- Individual product approvals can be taken from the specification list.

Sustainability

- Free from per- and polyfluoroalkyl substances (PFAS)

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Application

The appropriate application method usually depends on the geometry of the component.
Recommended:

- spray
- dip-spin

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

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