



DELTA-PROTEKT® TC 502 GZ

Product description

DELTA-PROTEKT® TC 502 GZ is a silver topcoat for a zinc flake basecoat or other metallic substrates. In the system, the DELTA-PROTEKT® TC 502 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.

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

Like all Dörken products, DELTA-PROTEKT® TC 502 GZ is free of harmful heavy metals such as chromium(VI). Since 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

- hybrid system
- integrated lubricant
- gaugeability

Colour designation in the dried state

Silver

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Revision Date: 16.08.2024



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Corrosion resistance

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

Media resistance

- Fulfills chemical resistance against laboratory chemicals according to DIN EN ISO 2812
- Fulfills chemical resistance against operating fluids according to DIN EN ISO 2812

Resistance against mechanical influence

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

Defined coefficient of friction window

- $\mu_{\text{tot}} = 0.09-0.14$ (ISO 16047)*
- *Measured on Basecoat DELTA-PROTEKT® KL 100 with screw M10x80
- Individual product approvals can be taken from the specification list.

Sustainability

- Free from per- and polyfluoroalkyl substances (PFAS)

Surface / Substrate

- zinc flake basecoat
- steel
- extreme thin layers of 1-3 μm possible
- even layer construction possible.

The technical feasibility depends on pretreatment and individual characteristics of each material.

Application

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

- spray
- dip-spin

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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

List of specifications

- FCA (Fiat Chrysler Automotive) - PS-11036
- Volkswagen - TL 245

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