



DCP 910

TOP COATING – DRY LUBRICATION FILM

microGLEIT DCP 910 is a water based suspension of microWHITE solid lubricants. The slightly matt dry film provides defined friction values with very low scattering.

Product Features

microGLEIT DCP 910 yields a transparent, slightly matt lubrication film. DCP 910 is a top coating especially for zinc-flake systems. The layer provides defined, moderate friction values with minimal scatter.

- Suitable for thread rolling finishing
- Multiple tightenings (up to 5-fold) possible
- Provides corrosion protection
- High abrasion resistance
- Good adhesion on a wide range of materials
- No impact on other material properties
- Good suitability for automatic parts feeding and automatic bolting

Product Application

Typical applications of microGLEIT DCP 910 are bulk parts, especially ones with zinc-flake coatings, which have to be coated economically with a dry film lubricant in order to improve and stabilise their sliding properties.

The coating is used to achieve a defined, predictable frictional behaviour, thus enabling easy and faster assembly.

Typically DCP 910 is applied on:

- Threaded connections with zinc-flake coatings
- Special top-coating according VDA 235-203 and VW 01131
- Generally for bolts and nuts with zinc or zinc-alloy layers (Zn; Zn-Ni, Zn-Fe, etc.). For all types of chrome based passivations (blue, yellow, black, olive,...) especially Cr-VI-free versions

Instructions for Use

- microGLEIT DCP 910 is supplied ready to use – It may be diluted up to 1:1.
- DCP 910 has to be diluted with water (at least drinking water quality, demineralised preferred). The water is added to the product slowly with constant stirring.
- The parts to be coated have to be free from oil and dirt.
- DCP 910 usually is applied by dip-spin coating process — alternatively an immersion coating process could be used.
- For best film building we recommend to preheat the parts to approximately 30–50 °C / 86–122 °F
- After wetting of the parts they have to be dried with hot air at ~50 to <60 °C / ~122 to <140 °F
- In order to avoid condensation water on the parts, we recommend to pack the parts only after cooling them down to ambient temperature.

- It is important to control the bath concentration regularly — please ask us for instructions.
- The pH-Value must not drop below 8 (please avoid contamination of the coating bath by acids from previous process steps).
- In order to prevent unwanted foaming of the coating bath, too heavy circulation or stirring of the bath should be avoided. A suitable antifoam additive can be ordered under the name ‚microGLEIT AF-90‘.
- Keep bath and container closed in order to avoid unwanted evaporation and contamination!
- Please protect from frost!

Typical Properties microGLEIT DCP 910

Test / Feature	Standard/ Parameter	Unit	DCP 910	
Appearance (as delivered)	visually	—	whitish liquid	As Delivered
Density	DIN 51757	g/cm ³	~ 1,0	
Viscosity	DIN 53211 / 3 mm	s	20 – 30	
Thinner	—	—	water („drinking water quality or demineralised“)	
pH-Value	—	—	9 – 11,5	
Available Container Sizes	—	—	20 kg closed-head pail 200 kg plastic drum; 600/1000 kg IBC	
Usable Life - Closed original container		months	12	
Handling Precautions	—	—	see SDS	
Appearance (Applied)	visually	—	transparent, slightly matt	Applied
Service Temperature	—	°C/°F	-40 to +120/-40 to 248	
Friction value μ	Screw-Test		0,09 - 0,14	

Dilution Ratio (DCP 910 : Water) Depending on Coating Process and Specific Requirements

Centrifuge	Immersion Drum	—	Process
pure to 1 : 1		—	