



LUBRICATING COMPOUNDS

Weicon Copper Paste



Weicon Copper Paste is a high quality protecting, separating and lubricating agent designed for highly stressed parts in high temperature environments. Even when deployed in high temperature and corrosive environments, Copper Paste effectively prevents fretting corrosion and seizing of parts.

Weicon Copper Paste exhibits strong adhesion properties and consists of a mix of special additives and solid lubricants made of graphite and copper particles. This ensures low friction values in threaded joints and excellent separating characteristics even after extended service. It contains no sulphur, lead or nickel.

Copper Paste forms an effective lubricating and separating film which protects the functional surfaces on plug-in tools, wear bushings, screws and all kinds of threaded, plug-in and bayonet joints against corrosion and/or seizing. It can be used to reduce vibration on brake blocks and guides, brake cams and pins, wheel bolts and nuts, car and truck battery terminals and other electrical connections as well as wear and electrical bushings on hydraulic, compressed air or electrical hammers.

Properties

Consistency Assignment (DIN 51818)	NLGI-Class 1
Colour	Copper
Thickener	Aluminium Complex Soap
Basic Oil	Mineral oil
Solid Lubricant	Copper / Graphite
Coefficient of Friction (DIN 946)	0.11 – 0.13
Coefficient of Friction Total	0.12 μ
Coefficient of Friction Thread	0.11 μ
Coefficient of Friction Upside Down	0.13 μ
VKA-Test (DIN 51350)	3,200 N
Welding Load	
Density	1.1 g/cm ³
Kinematic Viscosity Basic Oil (+40° DIN 51562)	180 mm ² /s
Drop Point (IP 396)	+180°C (356°F)
Worked Penetration (DIN ISO 2137)	310 to 340 1/10mm
Temperature Resistance	-20°C to +1,100°C

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Important

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Preparation of the Surface

Depending on the degree of soiling, first clean and degrease surfaces with Weicon Cleaner S. Used threads should be cleaned with a wire brush and Cleaner S.

Processing

If using the spray version of Weicon Copper Paste, shake can before use and apply the material evenly from a distance of approximately 15cm. If using one of the liquid/pasty versions, apply Copper Paste with a brush, cloth or plastic sponge.

On threads it is important that Copper Paste is applied down to the thread root to ensure a good sealing effect. Copper Paste must not be mixed with grease or oils to avoid changes in the material characteristics. Copper Paste does not replace oil or grease lubrication.

Storage

The liquid/paste versions or copper paste should be kept in their closed, original container. Do not store together with oxidising agents. Keep container tightly closed and store in a cool, well aired place.

The spray version of Copper Paste should be stored away from heat and direct solar radiation. Storage temperature should never exceed 50°C. Store container in a cool, well aired place.

Availability

Copper Paste is available in the following forms and pack sizes:

- 30gm Pens
- 120gm Brush-Top Cans
- 400ml Sprays
- 450gm Cans
- 500gm Brush-Top Cans
- 1kg Cans
- 10kg Buckets

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