

Copper Paste

Description

Release agent and lubricant made from ultra-fine copper particles for use with machine elements subject to high thermal stress. Makes dismantling easy after long running times. Is used at extremely high temperatures for screw connections and joint faces exposed to high temperatures, high pressures and corrosive elements. Guarantees the best possible function of drills and chisels and extends their service life. Operating temperature range: -35 °C to +1,100 °C

Properties

- universal application
- distinctive high-pressure characteristics
- outstanding thermal stability
- eliminates squeaks
- high bond strength
- resistant to acceleration forces
- prevents transmission of vibration
- long-term corrosion protection
- protects from welding and seizing
- resistant to hot water, salt water and splash water
- lubricant and release effect

Technical data

Brief description	KF2T-35 DIN 51502
Operating temperature range	-35 - +1100 °C
Thickener	Bentonite
NLGI number	1/2 DIN 51818
Thickener	Bentonite
Worked penetration	300 1/10 mm DIN ISO 2137
Color / appearance	coppery
Base oil	mineral oil
Viscosity at 40 °C	110 mm ² /s ASTM D 7042-04
Dropping point	none DIN ISO 2176
Oil separation after 7 days at 40 °C	3,1 % DIN 51817
Oil separation after 18 hours at 40 °C	1,1 % DIN 51817
Flow pressure at -30 °C	<1400 mbar DIN 51805
Behavior in the presence of water	1-90 DIN 51807 part 1
Flash point	220 °C DIN ISO 2592

Technical data

Pour point	-24 °C DIN ISO 3016
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Areas of application

Used for lubrication and separation and as a corrosion inhibitor for components exposed to high thermal load. Ideally suited for the shanks of hammer drills and chisels. For the chemical and petrochemical industry, power stations, ceramic industry, engineering, and motor vehicle construction (particularly for screwed connections on exhaust manifolds, rear silencers, chassis components, and brake systems*). *Please follow the manufacturer's advice with regard to products which contain copper.

Application

Apply to cleaned surfaces using a paint brush, brush or lint-free cloth. Apply the amount which is appropriate for the application.

Available pack sizes

100 g Tube plastic	2869 DA-EN-FI-NO-SV
100 g Tube plastic	3080 DE-EN-ES
100 g Tube plastic	21699 HU-PL-RO
250 g Brush-in-cap can sheet metal	3081 DE-EN-ES-IT-PT
500 g Can sheet metal	1829 AR-DE-EL-FR-NL
1 kg Can sheet metal	1848 AR-DE-EL-FR-NL
1 kg Can sheet metal	4061 DE-EN-ES-IT-PT

Our information is based on thorough research and may be considered reliable, although not legally binding.

