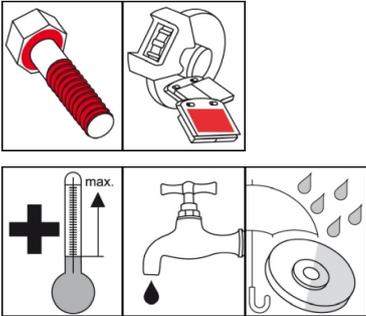


OKS 245

Copper Paste, with High Corrosion Protection



Description

Copper paste with high corrosion protection for screws and sliding surfaces that are subjected to high temperatures and corrosive influences such as sea water.

Applications

- For mounting screwed connections, e.g. at combustion engines, threads on pipe fittings, flange joints and fittings of superheated steam lines, exhaust pipe and combustion chamber screwed connections, gas and oil burner mounting bolts
- To prevent burning together, seizing or rusting-on of screwed connections at water influence
- Suitable for brake systems of vehicles

Advantages and benefits

- Excellently suited for preventing binding of threads exposed to high temperatures, corrosive environments and moisture
- Highly effective due to high level of pressure absorption
- Excellent corrosion protection
- Absolutely resistant to fresh water and sea water
- Extremely adhesive

Branches

- Rubber and plastic processing
- Paper and packaging industry
- Municipal services
- Chemical industry
- Shipbuilding and marine technology
- Logistics
- Plant and machine (tool) engineering
- Glass and foundry industry
- Iron and steel industry
- Rail vehicle technology

Application tips

For best adhesion, clean contamination and other lubricants from thread and slide surfaces. Best way is to clean mechanically first (for example, with a wire brush) and then with OKS 2610/OKS 2611 universal cleaning agent. Use a brush, spatula or similar to apply evenly a suitable quantity of paste to the head or nut contact surface and to the thread. The paste also acts as a sealant against spray water and condensate. Do not use paste instead of grease and mix only with suitable lubricants.

Packaging

- 150 ml Dispenser
- 250 ml Brush tin
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock



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Technical data

| | Standard | Conditions | Unit | Value |
|---|-------------------|---|-------------------|---------------------------|
| Main components | | | | |
| base oil | | | | mineral oil |
| thickener | | | | organic/inorganic |
| solid lubricants | | | | copper powder |
| additives | | | | EP additives |
| additives | | | | AW additives |
| Application related technical data | | | | |
| worked penetration | DIN ISO 2137 | 60 double strokes | 0.1 mm | 310-340 |
| lower operating temperature | | | °C | -30 |
| upper operating temperature | | lubrication | °C | 100 |
| upper operating temperature | | separation | °C | 1,100 |
| colour | | | | copper-coloured |
| density | DIN EN ISO 3838 | at 20°C | g/cm ³ | 0.95 |
| water resistance | DIN 51 807-1 | 3h/90°C | Degree | 1-90 |
| salt spray test | DIN EN ISO 9227 | layer thickness 120 µm | h | > 400 |
| four-ball test rig welding load | DIN 51 350-4 | | N | 3,400 |
| Total friction coefficient (µ) | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide | | 0.14 |
| breakaway torque | DIN 267-27 | M10 A2, 40 Nm, 400 °C, 100 h | Nm | < 2,8 x tightening torque |

Klüber Lubrication München GmbH & Co. KG
Geisenhausenerstraße 7 / 81379 München /
Germany / phone +49 89 7876-0

The data in this document is based on our general experience and knowledge at the time of publication and is intended to give information of possible applications to a reader with technical experience. It constitutes neither an assurance of product properties nor does it release the user from the obligation of performing preliminary field tests with the product selected for a specific application. All data are guide values which depend on the lubricant's composition, the intended use and the application method. The technical values of lubricants change depending on the mechanical, dynamical, chemical and thermal loads, time and pressure. These changes may affect the function of a component. We recommend contacting us to discuss your specific application. If possible we will be pleased to provide a sample for testing on request. Klüber products are continually improved. Therefore, Klüber Lubrication reserves the right to change all the technical data in this document at any time without notice.