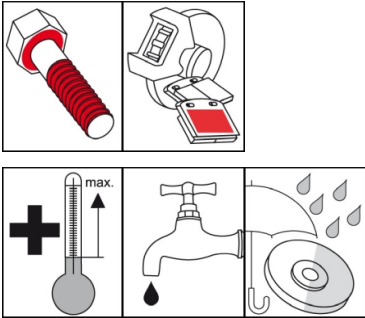


# OKS 245

## 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

# OKS 245

## Copper Paste, with High Corrosion Protection

### Technical data

|   | Standard          | Conditions   | Unit              | Value                     |
|---|-------------------|--|-------------------|---------------------------|
| <b>Main components</b>                    |                   |  |                   |                           |
| base oil                                  |                   |  |                   | mineral oil               |
| thickener                                 |                   |  |                   | organic/inorganic         |
| solid lubricants                          |                   |  |                   | copper powder             |
| additives                                 |                   |  |                   | EP additives              |
| additives                                 |                   |  |                   | AW additives              |
| <b>Application related technical data</b> |                   |  |                   |                           |
| 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 (at 20°C)                         | DIN EN ISO 3838   |  | g/cm <sup>3</sup> | 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                     |
| thread friction coefficient (µ total)     | 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 |
| <b>Properties and approvals</b>           |                   |  |                   |                           |
| UFI                                       |                   |  |                   |                           |

### OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47

82216 Maisach

+49 8142 3051 - 500

info@oks-germany.com

www.oks-germany.com



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