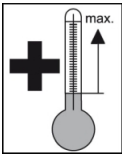
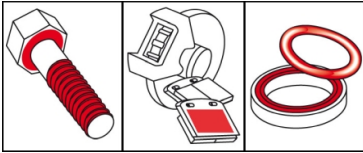


# OKS 240

## Copper Paste



### Description

High-temperature screw paste on copper basis for preventing corrosion, seizing and binding.

### Applications

- Assembling screw threaded connections subjected to high temperatures and corrosive influences
- Screwed connections at pipe fittings, flange joints and fittings in superheated steam lines
- Combustion chamber screwed connections and mounting bolts of gas and oil burners
- Screwed connections at combustion engines, exhaust systems, silencers and exhaust gas pipe connections

### Advantages and benefits

- Allows reliable non-destructive dismantling even after longer operating period under high operating and ambient temperatures
- Provides an optimal ratio of screw pretension and tightening torque
- Electrically conductive
- Also available as spray version OKS 241

### Branches

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

### 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. Apply sufficient OKS 240 evenly to the head or nut contact surface and to the thread by using a brush, spatula, etc. Do not use paste instead of grease and mix only with suitable lubricants.

### Packaging

- 8 ml Tube
- 75 ml Tube
- 250 g Brush tin
- 1 kg Can
- 5 kg Hobbock
- 25 kg Hobbock

# OKS 240 Copper Paste

## Technical data

|   | Standard          | Conditions   | Unit              | Value                     |
|---|-------------------|--|-------------------|---------------------------|
| <b>Main components</b>                    |                   |  |                   |                           |
| base oil                                  |                   |  |                   | synthetic oil             |
| thickener                                 |                   |  |                   | inorganic                 |
| solid lubricants                          |                   |  |                   | copper                    |
| solid lubricants                          |                   |  |                   | other solid lubricants    |
| solid lubricants                          |                   |  |                   | MoS <sub>2</sub>          |
| <b>Application related technical data</b> |                   |  |                   |                           |
| flashing point                            | DIN ISO 2592      | > 79   | °C                | > 180                     |
| drop point                                | DIN ISO 2176      |  | °C                | without                   |
| unworked penetration                      | DIN ISO 2137      | no shear stress  | 0.1 mm            | 295-340                   |
| lower operating temperature               |                   |  | °C                | -30                       |
| upper operating temperature               |                   | separation   | °C                | 1100                      |
| colour                                    |                   |  |                   | copper-brown              |
| density (at 20°C)                         | DIN EN ISO 3838   |  | g/cm <sup>3</sup> | 1.3                       |
| four-ball test rig welding load           | DIN 51 350-4      |  | N                 | 3,000                     |
| 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 |                   | 0.13                      |
| thread friction coefficient (μ total)     | DIN EN ISO 16 047 | Screw ISO 4017 A2 M10x55-70, Nut ISO 4032 A2 M10-70                    |                   | 0.14                      |
| breakaway torque                          | DIN 267-27        | M10 A2, 40 Nm, 400 °C, 100 h   | Nm                | < 2,5 x tightening torque |
| <b>Properties and approvals</b>           |                   |  |                   |                           |
| UFI                                       |                   |  |                   | E9H1-7007-M00H-J2S2       |

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