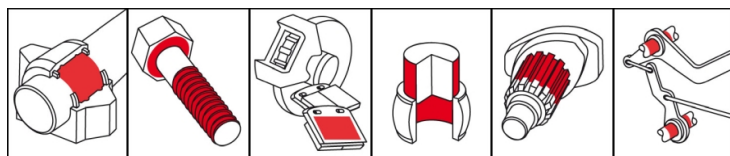


## OKS 250

### White Allround Paste, metal-free



#### Description

High-temperature paste on ceramic basis for lubricating heavily loaded sliding surfaces.

#### Applications

- Lubrication of highly stressed sliding surfaces, especially at low slip speeds or with oscillating movements, for example with screwed, mating or bayonet connections made of high-alloy steel or non-ferrous metals
- Surface separation of temperature-stressed threaded connections, for example at combustion engines and turbines
- Corrosion protection at screws, pins, bolts, flanges, spindles and fits
- For stainless-steel connections

#### Advantages and benefits

- Economic product solution for users who previously used a wide variety of pastes
- Resistant to hot and cold water and also to most acids and lyes
- Excellent corrosion protection
- Contains Mo<sub>x</sub>-Active for increased performance
- Metal-free
- Also available as spray version OKS 2501
- NSF H2 registered

#### Branches

- Catering equipment and food processing technology
- Rail vehicle technology
- Chemical industry
- Rubber and plastic processing
- Plant and machine (tool) engineering
- Logistics
- Iron and steel industry
- Municipal services
- Maintenance and servicing
- Paper and packaging industry
- Shipbuilding and marine technology
- Glass and foundry 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 250 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.

# OKS 250

## White Allround Paste, metal-free

### Packaging

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

### Technical data

|                                           | Standard          | Conditions                                                             | Unit              | Value                                   |
|-------------------------------------------|-------------------|------------------------------------------------------------------------|-------------------|-----------------------------------------|
| <b>Main components</b>                    |                   |                                                                        |                   |                                         |
| base oil                                  |                   |                                                                        |                   | synthetic oil mixture                   |
| thickener                                 |                   |                                                                        |                   | Polyurea                                |
| solid lubricants                          |                   |                                                                        |                   | white solid lubricants                  |
| additives                                 |                   |                                                                        |                   | Mo <sub>x</sub> -Active                 |
| <b>Application related technical data</b> |                   |                                                                        |                   |                                         |
| drop point                                | DIN ISO 2176      |                                                                        | °C                | without                                 |
| unworked penetration                      | DIN ISO 2137      | no shear stress                                                        | 0.1 mm            | 290-340                                 |
| lower operating temperature               |                   |                                                                        | °C                | -40                                     |
| upper operating temperature               |                   | lubrication                                                            | °C                | 200                                     |
| upper operating temperature               |                   | separation                                                             | °C                | 1,400                                   |
| colour                                    |                   |                                                                        |                   | white                                   |
| density                                   | DIN EN ISO 3838   | at 20°C                                                                | g/cm <sup>3</sup> | 1.29                                    |
| salt spray test                           | DIN EN ISO 9227   | layer thickness 60 µm                                                  | h                 | > 500                                   |
| four-ball test rig welding load           | DIN 51 350-4      |                                                                        | N                 | 3,600                                   |
| Total friction coefficient (µ)            | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide |                   | 0.12                                    |
| Total friction coefficient (µ)            | DIN EN ISO 16 047 | Screw ISO 4017 A2 M10x55-70, Nut ISO 4032 A2 M10-70                    |                   | 0.15                                    |
| breakaway torque                          | DIN 267-27        | M10 A2, 40 Nm, 400 °C, 100 h                                           | Nm                | < 2,7 x tightening torque               |
| press-fit test (µ)                        | draft DIN 51 833  |                                                                        |                   | 0,10, no chatter                        |
| <b>Properties and approvals</b>           |                   |                                                                        |                   |                                         |
| UFI                                       |                   |                                                                        |                   | 3XVK-Q0FV-800D-QVSU                     |
| approval for food processing technology   |                   |                                                                        |                   | <a href="#">NSF H2, Reg.-Nr. 131379</a> |

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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.