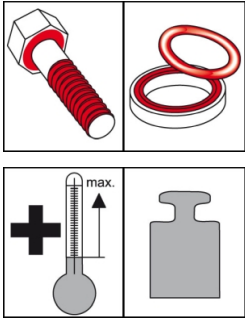


## OKS 217

### High-Temperature Paste, High purity



#### Description

OKS 217 is a high-temperature paste

#### Applications

- Assembly lubrication of screw connections of high-strength steel subject to high temperatures, corrosive influences in chemically aggressive environments, e.g. on gas and steam turbines in power plants, combustion engines, threads on pipe fittings, flange joints and fittings in superheated steam lines, exhaust pipe and combustion chamber screwed connections etc.
- Parting lubrication of materials with a tendency to seize up, e.g. V2A, V4A and high-temperature steels

#### Branches

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

#### Application tips

For best adhesion, clean the threads and sliding surfaces from dirt and other lubricants. Best way is to clean mechanically first and then with OKS 2610 or OKS 2611 universal cleaner. Apply paste evenly in sufficient amount onto head/nut support and thread or onto the sliding areas with brush, spatula, etc. Paste also takes over sealing properties. Do not use paste instead of grease and mix with appropriate lubricants only.

#### Packaging

- 250 g Brush tin
- 1 kg Can
- 5 kg Hobbock

#### Advantages and benefits

- Excellently suited for preventing seizing and binding
- Highly effective against corrosion affects
- Free of lead compounds, sulphides, chlorides and fluorides

## OKS 217

### High-Temperature Paste, High purity

#### Technical data

|                                           | Standard          | Conditions                                                             | Unit              | Value                         |
|-------------------------------------------|-------------------|------------------------------------------------------------------------|-------------------|-------------------------------|
| <b>Main components</b>                    |                   |                                                                        |                   |                               |
| base oil                                  |                   |                                                                        |                   | semi-synthetic oil            |
| <b>Application related technical data</b> |                   |                                                                        |                   |                               |
| drop point                                | DIN ISO 2176      |                                                                        | °C                | without                       |
| unworked penetration                      | DIN ISO 2137      | no shear stress                                                        | 0.1 mm            | 280-310                       |
| lower operating temperature               |                   |                                                                        | °C                | -40                           |
| upper operating temperature               |                   | separation                                                             | °C                | 1,400                         |
| colour                                    |                   |                                                                        |                   | dark-grey                     |
| density (at 20°C)                         | DIN EN ISO 3838   |                                                                        | g/cm <sup>3</sup> | 1.27                          |
| water resistance                          | DIN 51 807-1      | 3h/90°C                                                                | Degree            | 1-90                          |
| four-ball test rig welding load           | DIN 51 350-4      |                                                                        | N                 | 4,400                         |
| Total friction coefficient (μ)            | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide |                   | 0.11                          |
| Total friction coefficient (μ)            | DIN EN ISO 16 047 | Screw ISO 4017 A4 M10x55-70, Nut ISO 4032 A4 M10-70                    |                   | 0.16                          |
| breakaway torque                          | DIN 267-27        | M10 A4, 40 Nm, 400 °C, 100 h                                           |                   | < 2,0 x tightening torque     |
| press-fit test (μ)                        | draft DIN 51 833  |                                                                        |                   | 0,11, chatter from 4,000 N on |
| <b>Properties and approvals</b>           |                   |                                                                        |                   |                               |
| UFI                                       |                   |                                                                        |                   | OSD1-F0PY-2007-E2VE           |

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Our Customer and Technical service will be pleased to help should you have any further questions.