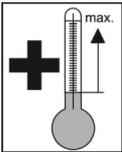
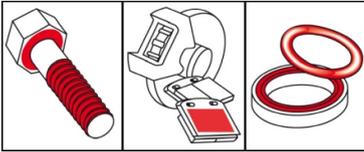


## OKS 2351

### Aluminium Paste, Anti-Seize Paste, Spray



#### Description

Aluminium paste for assembling screw and bolt threaded connections that are subjected to high temperatures and corrosive influences.

#### Applications

- Assembly lubrication of machine parts, screw connections, fittings, flange and plug-in connections, guides, sliding and sealing surfaces of ovens, boilers, burners, motors, engines subject to high-temperature conditions
- Separating paste

#### Branches

- Chemical industry
- Paper and packaging industry
- Iron and steel industry
- Glass and foundry industry
- Rubber and plastic processing
- Municipal services
- Shipbuilding and marine technology
- Plant and machine (tool) engineering
- Logistics
- 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. Evenly spray a sufficient amount of OKS 2351 onto the head or nut contact surface and thread. Do not use paste instead of grease and mix only with suitable lubricants.

#### Packaging

- 400 ml Spray

#### Advantages and benefits

- Excellently suited for preventing seizing and burning together
- Highly effective due to outstanding separating action and pressure absorption
- Good protection against ingress of splashing and condensed water
- Free of heavy metal compounds
- Good corrosion protection
- Excellent water resistance
- Wide operating temperature range
- Optimum ratio of screw tightening torque to achievable pre-tension



**OKS 2351**

**Aluminium Paste, Anti-Seize Paste, Spray**

**Technical data**

|   | Standard          | Conditions  | Unit              | Value                     |
|---|-------------------|---|-------------------|---------------------------|
| <b>Main components</b>                    |                   |   |                   |                           |
| base oil                                  |                   |   |                   | mineral oil               |
| thickener                                 |                   |   |                   | organic/inorganic         |
| solid lubricants                          |                   |   |                   | other solid lubricants    |
| solid lubricants                          |                   |   |                   | aluminium powder          |
| <b>Application related technical data</b> |                   |   |                   |                           |
| drop point                                | DIN ISO 2176      |   | °C                | 110                       |
| unworked penetration                      | DIN ISO 2137      | no shear stress   | 0.1 mm            | 290-330                   |
| lower operating temperature               |                   |   | °C                | -30                       |
| upper operating temperature               |                   |   | °C                | 1100                      |
| colour                                    |                   |   |                   | silver                    |
| density                                   | DIN EN ISO 3838   | at 20°C   | g/cm <sup>3</sup> | 0.7                       |
| salt spray test                           | DIN EN ISO 9227   | layer thickness > 30 µm   | h                 | > 400                     |
| Total friction coefficient (µ)            | DIN EN ISO 16 047 | screw ISO 4017 M10x55-8.8 black-oxide,<br>nut ISO 4032 M10-10 black-oxide |                   | 0.13                      |
| breakaway torque                          | DIN 267-27        | M10 A2, 40 Nm, 400 °C, 100 h  | Nm                | < 2,7 x tightening torque |
| <b>Properties and approvals</b>           |                   |   |                   |                           |
| UFI                                       |                   |   |                   | HVK1-DOQ4-T00C-DA80       |

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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.