

## OKS 235

### Aluminiumpaste, Anti-Seize-Paste



#### 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

- Glass and foundry industry
- Rail vehicle technology
- Plant and machine (tool) engineering
- Paper and packaging industry
- Shipbuilding and marine technology
- Logistics
- Iron and steel industry
- Rubber and plastic processing
- Municipal services
- 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 235 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

- |                    |                 |
|--------------------|-----------------|
| • 250 ml Brush tin | • 5 kg Hobbock  |
| • 1 kg Can         | • 25 kg Hobbock |

#### 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
- Also available as spray version OKS 2351

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### Technical data

	Standard	Conditions	Unit	Value
<b>Main components</b>				
base oil				mineral oil
thickener				organic/inorganic
solid lubricants				aluminium powder
solid lubricants				other solid lubricants
<b>Application related technical data</b>				
drop point	DIN ISO 2176		°C	110
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	0-1
unworked penetration	DIN ISO 2137	no shear stress	0.1 mm	290-330
oil separation	DIN 51 817	7d/40°C	percent in weight	< 4
lower operating temperature			°C	-30
upper operating temperature		lubrication	°C	110
upper operating temperature		separation	°C	1,100
colour				silver
density (at 20°C)	DIN EN ISO 3838		g/cm <sup>3</sup>	0.92
salt spray test	DIN EN ISO 9227	layer thickness 30 µm	h	> 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		0.13
breakaway torque	DIN 267-27	M10 A2, 40 Nm, 400 °C, 100 h	Nm	< 2.7 x tightening torque

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