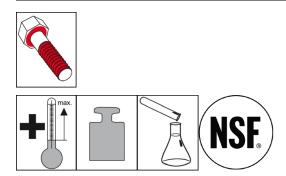




OKS 210

High-Temperature Screw Paste, for high-alloy steels



Description

Special, ultra-pure, metal-free high-temperature paste to minimise chromium(VI) formation on bolted connections with high-alloy steels which are exposed to high temperatures or corrosive or chemically aggressive influences.

Applications

- Assembly lubrication of high-alloy bolted connections exposed to high temperatures, or corrosive or chemically aggressive influences
- Lubrication of materials prone to galling or corroding, such as V2A, V4A and other high-alloy steels
- Such as those on gas and steam turbines in the power station sector
- In combustion engines
- Screwed connections on pipe fittings, flange joints and fittings in superheated steam lines
- Screwed connections on exhaust pipes, in combustion chambers and similar

Branches

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

Advantages and benefits

- Minimises chromium(VI) forming on steels with a chromium content when exposed to high temperatures
- Metal-free (as per recipe)
- Less than 500 ppm of flourides, chlorides and sulphides
- Prevents galling of high-alloy bolted connections during assembly
- Allows non-destructive dismantling after a long period of use and under aggressive operating conditions
- Good water resistance
- Wide operating temperature range
- Constant coefficient of friction
- MOSH/MOAH-free (as per recipe)
- NSF H1 registered











OKS 210 High-Temperature Screw Paste, for high-alloy steels

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

• 150 g Dispenser

5 kg Hobbock

• 250 g Brush tin

25 kg Hobbock

Technical data

	Standard	Conditions	Unit	Value
Main components			•	
base oil				synthetic oil
thickener				Mix of different thickeners
solid lubricants				graphite
solid lubricants				Boron nitride
solid lubricants				other solid lubricants
Application related technical da	ita			
drop point	DIN ISO 2176			without
consistency	DIN 51 818	DIN ISO 2137	NLGI grade	1
oil separation	DIN 51 817	7d/40°C	percent in weight	<3
lower operating temperature			°C	-40
upper operating temperature	DIN 51 821-2	separation	°C	1000
colour				grey
density (at 20°C)	DIN EN ISO 3838		g/cm³	1.02
water resistance	DIN 51 807-1	3h/90°C	Degree	0-90
Total friction coefficient (μ)	DIN EN ISO 16 047	screw ISO 4017 M10x55-8.8 black-oxide, nut ISO 4032 M10-10 black-oxide		0.13
Total friction coefficient (μ)	DIN EN ISO 16 047	Screw ISO 4017 A4 M10x55-70, Nut ISO 4032 A4 M10-70		0.15
breakaway torque	DIN 267-27	M10 A4, 40 Nm, 400 °C, 100 h		< 2,5 x tightening torque
Properties and approvals				
UFI				5XJC-G0H8-E00X-R928
approval for food processing technology				NSF H1, RegNr. 169483

OKS Spezialschmierstoffe GmbH

Ganghoferstraße 47 82216 Maisach ↓ +49 8142 3051 - 500 ⊠ info@oks-germany.com

www.oks-germany.com



The information in this publication reflects state-of-the-art technology, as well as extensive testing and experience. Due to the diversity of possible applications and technical realities, they can only serve as recommendations and are not arbitrarily transferable. Therefore, no obligations, liability or warranty claims can be derived from them. We only accept liability for the suitability of our products for particular purposes, and for certain properties of our products, in the event that we have accepted such liability in writing in the individual case. Any case of justified warranty claims shall be limited to the delivery of replacement goods free of defects, in the event that this subsequent improvement fails, to reimbursement of the purchase price. Any and all further claims, in particular the liability for consequential injuries or damage, shall always be excluded. Prior to use, the customer must conduct its own testing to prove suitability. The data are subject to change for the sake of progress. * = Registered trademark **Product restricted to professional users**. Safety data sheet available for download at www.oks-germany.com Our Customer and Technical service will be pleased to help should you have any further questions.





