

GLEITMO WSP 5040

High-performance paste with white solid lubricants for universal application

Performance Features

- temperature range: -20 / +140 °C
- when used as a screw or assembly paste: -40 / +1,200°C
- withstands extreme pressures
- produces low coefficients of friction
- excellent protection against wear
- very good adhesion
- very good protection against corrosion, and it is waterresistant
- protects against fretting corrosion (tribocorrosion)
- prevents stick-slip and seizure
- Authorised for use underground by the Arnsberg District Authority, Dortmund; authorisation reference number: 84.12.22.63-2-1.



screws and
nuts



assembly



rock shafts



chucks



tilting bearings

Description

GLEITMO WSP 5040 is a high-performance paste based on a high-grade, special calcium-complex thickener structure with a synergetic combination of highly effective white solid lubricants.

Range of application

GLEITMO WSP 5040 is used for all kinds of machine parts subjected to extreme pressures, impulse loads and/or vibrating or oscillating movements. It is particularly appropriate if the surrounding area is subject to high humidity or the effects of splash water. For sliding pairings, which have a tendency to stick slip and fretting (seizure). At low sliding speeds and high pressures as well as where fretting corrosion (tribocorrosion) occurs. GLEITMO WSP 5040

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is particularly suitable for lubricating chucks and tensioning elements. In addition to that GLEITMO WSP 5040 has proved itself as assembly paste and can be used as screw paste in this case also in the high-temperature range up to 1,200 °C. Other typical applications: Spindles, large armatures, sliding guides, sliding bearings, oscillating bolts on construction machinery, tilting bearings, stainless steel connections, etc. Because of the high proportion of solid particles, GLEITMO WSP 5040 should not be used for lubricating roller bearings.

Application

Apply GLEITMO WSP 5040 with spatulas, brushes or lint-free cloths onto the previously cleaned (if possible) surfaces. Otherwise as is normal with greases. GLEITMO WSP 5040 is also available as a spray.

Technical Data: GLEITMO WSP 5040

<u>Characteristics</u>	<u>Value</u>	<u>Unit</u>	<u>Test Method</u>
Colour	beige		
Temperature range	- 20 / + 140	° C	LLS 134
when used as a hot screw compound	up to 1200	° C	
Base oil	min		
Thickener	Spec. Ca-X		
Base oil viscosity [40°C]	250	mm ² /s	DIN 51562-1
NLGI grade	2		DIN 51818
Water rinse out test [37 °C]	2,6	%	ASTM D 1264
Dropping point	> 270	° C	DIN ISO 2176
Water resistance	0-90	rating	DIN 51807-1
EMCOR [dist. Water]	0/0	rating	DIN 51802
EMCOR [3% NaCl]	0/0	rating	DIN 51802
Four Ball Test welding load	5000 / 5500	N	DIN 51350-4
Almen-Wieland scuffing load	> 18	kN	LLS 060
Screw test [M12/8.8/blackened]	0,11		DIN EN ISO 16047
High temp. test [5 h, 600°C, 1.4986, M12]			
Tightening torque	70	Nm	
Loosening torque	appr. 110	Nm	
Press-fit test, with joint pressing			LLS 070
Friction value	0,12		
Stick-slip	no stick-slip		

LLS = LUBRITECH Laboratory Specification
Typical for current production. Variations in these characteristics may occur.

Product Information



LUBRITECH
Special Application Lubricants

As far as we know this information reflects the current state of knowledge and our research. It cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check their suitability and be satisfied that the output will be satisfactory. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without prior announcement, unless otherwise provided in customer-specific agreements. With the publication of this product information sheet, all previous editions cease to be valid.

We are specialized in developing products for extreme tribological problems in cooperation with end users. FUCHS LUBRITECH provides service and individual advice. Please contact us!
E-Mail: info@fuchs-lubritech.de