

## MOLYKOTE® X

### SOLID LUBRICANT GREASE PASTE

**Solid lubricating grease paste for lubrication of metal friction combinations which have to work under high surface pressures**

#### FEATURES

- ◆ High load carrying capacity
- ◆ Good water-resistance and water-wash-out resistance
- ◆ Protection against seizure and premature wear
- ◆ Excellent corrosion protection

#### COMPOSITION

- ◆ Mineral oil
- ◆ Lithium soap
- ◆ Solid lubricants
- ◆ EP additive
- ◆ Corrosion inhibitor

#### APPLICATIONS

- ◆ Suitable for heavily-loaded guides and plain bearings, threads spindles, bolts and trunnions, especially at low to average speeds.
- ◆ Used successfully on slideways and sliding shoes for bridge displacement systems.

#### TYPICAL PROPERTIES

Specifications writers: These values are not intended for use in preparing specifications. Please contact Dow Corning GmbH, Wiesbaden, Germany before writing specifications on this product.

Standard*	Test	Units	Result
	Colour		Black
	<b>Penetration, density, viscosity</b>		
ISO 2137	Unworked penetration	mm/10	255-275
ISO 2811	Density at 20°C	g/ml	1.04
DIN 51 562	Base oil viscosity at 40°C <sup>1</sup>	mm <sup>2</sup> /s	115
	<b>Temperature</b>		
	Service temperature	°C	-30 to 135
ISO 2176	Drop point	°C	205
ASTM-D147880	Low temperature torque test at -20°C		
	Initial break-away torque	Nm	130x10 <sup>-3</sup>
	Torque after 20 minutes running time	Nm	83x10 <sup>-3</sup>
DIN 51 805	Kesternich method - flow pressure at -20°C	mbar	440
	<b>Load-carrying capacity, wear protection, service life</b>		
	Four-ball tester (VKA)		
DIN 51 350 pt.4	Weld load	N	3000
DIN 51 350 pt.5	Wear scar under 800N load	mm	0.78
	Almen-Wieland machine		
	OK load	N	20000
	Friction force	N	1050
	<b>Coefficient of friction</b>		
	Press-Fit test $\mu =$		0.07
	<b>Resistance</b>		
DIN 51 807 pt.1	Water resistance, static, evaluation		1-90
	<b>Corrosion protection</b>		
DIN 51 802	SKF-Emcor method		
	Degree of corrosion		0

## TYPICAL PROPERTIES (continued)

Standard*	Test	Units	Result
	<b>Oil separation - evaporation</b>		
DIN 51 817	Oil separation, standard test	%	2.3

1. Calculated viscosity of base oil mixture.

\* ASTM: American Society for Testing and Materials

ISO: International Standardisation Organisation

DIN: Deutsche Industrie Norm

### HOW TO USE

#### How to apply

Clean contact surface if possible, then apply lubricant paste with a brush or swab. Excess lubricant need not be removed. MOLYKOTE X Solid Lubricant Grease Paste can be used in grease guns and centralised lubrication systems.

### HANDLING PRECAUTIONS

A Product Safety Data Sheet should be obtained from your nearest Dow Corning sales office prior to use.

ATTENTION: Before handling, read product information, Product Safety Data Sheets and container labels for safe use, and any physical and/or health hazard information.

### USABLE LIFE AND STORAGE

When stored at or below 20°C in the original unopened containers this product has a usable life of 60 months from the date of production.

Dow Corning will guarantee the usable life of this product until the date indicated on the packaging. This date is shown by the letters "EXP" (meaning Expiry) followed by 4 digits, which stand for the month (last day) and year. Example: "EXP 03/99" means use by 31 March 1999.

### PACKAGING INFORMATION

This product is available in different standard container sizes. Detailed container size information should be obtained from your nearest Dow Corning sales office or Dow Corning distributor.

### LIMITATIONS

This product is neither tested nor represented as suitable for medical or pharmaceutical uses.

### HEALTH AND ENVIRONMENTAL INFORMATION

Dow Corning's Health, Environment

and Regulatory Affairs (HERA) Department is available to support customers for their product safety needs. For further information, you can contact this group at:

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