

Molykote[®] X-Schmierpaste **(Lubricant Paste)**

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

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

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

Specification Writers: These values are not intended for use in preparing specifications. Please contact your local Dow Corning sales office or your Global Dow Corning Connection before writing specifications on this product.

Test*	Property	Unit	Result
	Color		Black
	Penetration, density, viscosity		
ISO 2137	Unworked penetration	mm/10	255-275
ISO 2811	Density at 20°C (68°F)	g/ml	1.04
DIN 51 562	Base oil viscosity at 40°C (104°F) ¹	mm ² /s	115
	Temperature		
	Service temperature	°C	-30 to 135
		°F	-22 to 275
ISO 2176	Drop point	°C	205
		°F	401
ASTM-D147880	Low temperature torque test at -20°C (-4°F)		
	Initial break-away torque	Nm	130 x 10 ⁻³
	Torque after 20 minutes running time	Nm	83 x 10 ⁻³
DIN 51 805	Kesternich method – flow pressure at -20°C (-4°F)	mbar	440
	Load-carrying capacity, wear protection, service life		
	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
	Frictional force	N	1050
	Coefficient of friction		
	Press-Fit test μ =		0.07
	Resistance		
DIN 51 807 pt.1	Water resistance, static, evaluation		1-90
	Corrosion protection		
DIN 51 802	SKF-Emcor method		
	Degree of corrosion		0
	Oil separation - evaporation		
DIN 51 817	Oil separation, standard test	%	2.3

¹Calculated viscosity of base oil mixture.

*ISO: International Standardization Organization.

DIN: Deutsche Industrie Norm.

ASTM: American Society for Testing and Materials.

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 X-Schmierpaste (Lubricant Paste) can be used in grease guns and centralized lubrication systems.

HANDLING

PRECAUTIONS

PRODUCT SAFETY INFORMATION REQUIRED FOR SAFE USE IS NOT INCLUDED IN THIS DOCUMENT. BEFORE HANDLING, READ PRODUCT AND MATERIAL SAFETY DATA SHEETS AND CONTAINER LABELS FOR SAFE USE, PHYSICAL AND HEALTH HAZARD INFORMATION. THE MATERIAL SAFETY DATA SHEET IS AVAILABLE ON THE DOW CORNING WEB SITE AT DOW CORNING.COM, OR FROM YOUR DOW CORNING ENGINEER, OR DISTRIBUTOR, OR BY CALLING DOW CORNING CUSTOMER SERVICE.

USABLE LIFE AND STORAGE

When stored at or below 20°C (68°F) in the original unopened containers, this product has a usable life of 60 months from the date of production.

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

To support Customers in their product safety needs, Dow Corning has an extensive Product Stewardship organization and a team of Product Safety and Regulatory Compliance (PS&RC) specialists available in each area.

For further information, please see our Web site, dowcorning.com or consult your local Dow Corning representative.

LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY

The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, this information should not be used in substitution for customer's tests to ensure that our products are safe, effective, and fully satisfactory for the intended end use. Suggestions of use shall not be taken as inducements to infringe any patent.

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Your exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted.

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