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**MOLYKOTE®**

FROM DOW CORNING

**Molykote® Lubrication Solutions for Mining Applications**



Molykote® Smart Lubrication™ from Dow Corning

# Extreme Lubricants for Extreme Conditions

Where ordinary lubricants fail, Dow Corning offers a specially formulated line of Molykote® brand extreme load lubricants for open cast mining customers.

Modern open pit mining requires the use of large mechanical equipment that can perform reliably in demanding environments. Because of the heavy load capacities and possible extremes of environments in open cast mining operations, lubricants should offer special properties like:

- Protection from extreme environments (heat and cold)
- Performance in dusty environments
- Heavy load capacity
- Meeting OEM specifications
- Environmentally friendly
- Minimal product leakage from machine to the environment

Molykote brand lubricants resist squeeze out, fling off, and water wash out to extend equipment life and reduce unwanted downtime and maintenance costs. Less lubricant is needed to maintain superior performance, which increases productivity while saving energy and money for mining industry customers.

## Solutions for the Mining Industry

Through innovative technology and a wide range of products, Dow Corning is able to provide solutions that are environmentally friendly, safe and result in faster and more efficient operations for customers in the mining industry.

Molykote offers expertise and technical know-how, combined with trusted partnerships, to ensure that you have access to necessary supplies and products in a timely



and reliable manner, backed by a solid reputation of proven performance and innovation.

Our functionality testing, application engineering, and equipment/material integration provide you with a total systems solution. Dow Corning's diverse product range and engineering expertise offer several advantages over competitive products and services:

- **Longer Equipment Life** – Dow Corning products and services extend equipment life by reducing wear and damage to equipment.
- **Reduced Contamination** – Our solid lubrication, gasketing and sealing solutions resist erosion and minimize dust to keep equipment running smoothly.
- **All-Weather Performance** – Specially formulated fluids remain pliable in low temperatures and resist thinning out, gumming and drying in high temperatures.
- **Simplified Maintenance** – Our lubrication solutions can keep equipment running longer to lower maintenance and repair costs.
- **Trusted Products** – We offer a wide selection of products for all applications to help you make the right choice the first time.
- **Trusted Service** – We work with leading companies to ensure that the most applicable procedures are implemented to best meet customer needs. By developing and training lubrication experts top-notch service results are best achieved.

# Molykote Lubricants Protect Equipment

Molykote brand lubricants are used for a wide range of mining applications. Our high-performance lubricants provide protection from shock loading, reversing speeds and surging pressures to extend part and equipment life.

Application	Part	Recommended Product
<b>Open Cast Equipment</b>		
Draglines/Shovels/Drills/Dump Trucks	Pins, Bushes	BR 2-Plus Multi-Purpose Grease, Longterm 2 Plus, G-0102, G-0103*
Excavators	Drag lines: Drag, Hoist and Swing Gear Boxes	L-Series Oils, M Gear Guard*, M-55 Plus*
	Wire Ropes	165 LT
	Open Gear	165 LT, KGP 2P*
	Electrical Contacts	S1002 Electrical Contact Cleaner
Dump Trucks	Wheel Motor Bearing	G-4700 Extreme Pressure Synthetic Grease
	Gear Boxes	L-2122 Synthetic Gear Oil
Bucket Wheel Loaders	Bearings, Pins and Bushes	Longterm 2 Plus
Conveyors	Bearings	Longterm 2 Plus, BR-2 Plus
	Gear Boxes	Gear Oils, M Gear Guard*
Crushers/ Roller Press/ Vertical Mills/ Ball Mills	Bearings	Longterm 2 Plus, Oils for Oil Lubrication
Washery Vibratory Screen	Open Gears with Spray Systems	Molykote KGP 2P*
	Open Gears with Dip Lubrication System	Longterm 00 Grease
	Gear Boxes	Gear Oils, M Gear Guard* for Pitted Gears
<b>Repair Shops</b>		
	Assembly and Disassembly	Supergliss Spray, Multigliss, Assembly Pastes
	O-Rings and Seals	55 O-Ring Grease, 111 Valve Lubricant & Sealant
<b>Electrical</b>		
Electrical Motors	Bearings	Various Bearing Greases
<b>Underground Mines</b>		
Fans, Blowers, Pumps	Bearings	BR-2 Plus, G-0102, BG 20 Synthetic Bearing Grease
Transporting Devices	Pins and bushes	BR-2 Plus, Longterm 2 Plus
Winches and Pulley	Bearings	BR-2 Plus
Maintenance Products	Assembly	Supergliss Spray, Multigliss, Assembly Pastes
	Rust removers	Supergliss Spray, Multigliss

\*Product availability varies by country, so let us know which product features are most important to your application and country of use. We can recommend a product or tailor our products and services to your specific requirements.

## How To Contact Us

Dow Corning has sales offices, manufacturing sites, as well as science and technology laboratories around the globe. For more information, visit [www.dowcorning.com](http://www.dowcorning.com) or [www.molykote.com](http://www.molykote.com), or call one of our primary locations listed here.

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## Dow Corning® Silicone Sealants for Mining Applications

We offer a range of silicone sealant solutions specifically formulated for the mining industry. Contact your local Dow Corning representative to learn more.

## Global Presence. Local Support.

Dow Corning's global presence enables you to develop specifications centrally while providing consistent high-quality products and services locally. Through our global sales, application engineering, product development and manufacturing and delivery capabilities, our quality is consistent around the globe. This also enables a more effective and efficient product customization process—no matter where you are located!

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form number 80-3373-01

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