

Product Specification Report

Rev. May 14



Strongly adhesive lubricating paste on calcium sulfonate base with graphite additive. It is distinguished by excellent resistance to wash out and high temperatures.

PROLUBE DARK

Lubricating paste/against seizure

PROPERTIES:

Innovative composition	The compounds of calcium sulfonate base contribute to the high efficiency of the lubrication, mainly in difficult conditions
High resistance	The harmonious combination of very fine graphite and organic metals gives this product excellent resistance to high pressures, temperatures (up to 200°C as a lubricant and up to 700°C as a product that prevents seizure) and against the action of aggressive atmospheric agents, thus ensuring a high degree of protection against corrosion /sealing
Excellent resistance in marine transport	Resistant to wash out and action of salt water and has water repellent effects. It is just for this reason that it is excellently suited for use in marine transport

AREA OF APPLICATION:

- Suitable for cylindrical, conical, spiral gearing, chain conveyors, geared bars, sliding and roller base plates, metal cables and all pinion linkage to the ring gear in cement works.
- In ports, ship yards and at sea, it is used to lubricate crane cables and equipment for loading/unloading of goods.
- In the metallurgical industry, it is used to lubricate gearing, e.g. the rotary gearing of furnaces, aggregates of mining machinery and machinery for handling the minerals, or processing of scrap metal.
- It can effectively lubricate the rails in ports; in such case, it prevents strong wear of the rails, caused by friction with wagon wheels, mainly in sections with a limited radius of curvature.
- Ideal for slow bearings and bearings exposed to extreme temperatures

SAFETY WARNINGS:

More detailed information is contained in the MSDS. Before use, we recommend proper cleaning of all surfaces using Zep solvents. To achieve ideal conditions, it is necessary to clean and dry all gearing, in order to ensure the closest contact between the lubricant and the given material.

COMPATIBILITY:

All metal surfaces and all materials, which are non-sensitive to contact with oils.

ACTIVE INGREDIENTS:

- ✓ Refined oils
- ✓ Synthetic polymers
- ✓ Extreme pressure (EP) additives and additives that prevent wear
- ✓ Graphite

APPLICATION:

First clean and degrease the parts intended for lubrication using ZEP solvents. Then, apply the lubricant by hand or using an appropriate tool of the ZEP series.

SPECIFICATIONS:

Chemical and physical properties	Method	Values
State		Solid, paste
Colour		Black
Odour		Characteristic
Density at 20°C	ASTM D 1298	< 1 kg/dm ³
Solubility in water		Insoluble
Dropping point	ASTM D 566	>280°C
Penetration in standard operating conditions (60 double impacts mm/10)	ASTM D 217	265 - 295
NLGI		2
Copper corrosion	IP 112 B 5	Negative
Working temperature when used as a lubricant		Up to 200°C
Working temperature when used as an agent against seizure		Up to 700°C

All information in this document is based on our practical experience and/or laboratory tests. Due to the multiplicity of conditions for usage and variable human factors, we recommend that you always test our products for suitability prior to use. At any time, this version of the product specification report may have been revised based on legislation, availability of the individual ingredients or newly acquired information. The current approved version is available upon request.