



Superior Solutions

Lubricants

For over seventy years,
products and technologies for industry



 **Industry**

new product range

The range of Zep lubricants comprises a wide and diversified selection of oils and greases, both in terms of product range and packaging, designed to meet the application needs of all our customers. Both the aerosol line and prolube lubricants consist of next-generation products, developed from a constant synergy between the most varied industries and Zep's research and development division.

This synergy allows for a continuous updating of our product range, seeking new solutions with increasingly higher performance standards.

INDUSTRY

■ **PROLUBE AMBER EP**

Multi-purpose lithium grease with EP additives

High quality lithium grease with an EP (Extreme Pressure) additive. Possesses excellent mechanical stability and exceptional resistance to rust, ageing and water washout. Active from -20°C to 120°C. Ideal for use in the automotive industry and for the lubrication of wheel hubs, flat or roller bearings.

■ **PROLUBE AMBER**

Multi-purpose lithium grease

Possesses excellent mechanical stability and exceptional resistance to rust, ageing and water washout. Active from -20°C to 120°C. Ideal for use in the automotive industry and for the lubrication of wheel hubs, flat or roller bearings. Also ideal for lubricating supports, crawler tractors and any other grease lubrication of agricultural machinery.

■ **PROLUBE ARCTIC**

Special grease for very low temperatures

Formulated to withstand extremely low temperature conditions (down to -40°C) both outdoors and indoors, guarantees high resistance to water washout and effective protection against rust, for continuous lubrication of parts on which it is applied. In accordance with MIL G 10924.

■ **PROLUBE BLACK ML**

Molybdenum disulphide grease for heavy duty lubrication

Formulated on a lithium base with the addition of graphite and molybdenum disulphide, EP additives, anti-wear and anti-rust agents. Possesses exceptional resistance to heavy duty operations, adhesion, water repellency, corrosion and wear. Active from -20°C to +120°C. Ideal for Industry and the Automotive sector: lubrication of ground moving machinery, mills, quarries, agricultural and construction machinery, road equipment, heavy industrial machinery and all their parts.

■ **PROLUBE BLUE EP**

High stability semi-synthetic grease

A semi-synthetic blue, smooth-looking product, with exceptional adhesive properties. Contains EP, wear and rust resistant additives. Active from -20°C to +160°C. Rotation factor: 200.000. Ideal for lubricating chutes, pins, joints, machinery cables for all uses with a considerable presence of water and low temperatures.

■ **PROLUBE BROWN EP**

High adhesion semi-synthetic grease

A high viscosity, high adhesion grease for lubricating mechanical parts subjected to high speeds. Does not drip and resistant to washout. Ideal for enclosed gears in the industrial sector, cement, refining and metals industries and railways. Usage temperature: up to +120°C.

■ **PROLUBE COPPER**

Copper lubricant/anti-seize compound for high temperatures

The addition of ultra-fine copper laminate particles and special corrosion inhibitors provides anti-seize, anti-corrosion, anti-rust, anti-adhesive and lubricating action, within a temperature range of -30°C to +1000°C. Ideal for all industry sectors for the lubrication of parts under high temperature conditions: couplings, screws, pins, bolts and nuts for furnace cables, and all threaded fittings.

■ **PROLUBE DARK PL**

Multi-purpose high performance polyurea grease

The next generation of lubricants containing ashless polyurea thickeners. Ideal for the lubrication of bearings operating at high temperatures, low rpms and high loads in industrial steel plants, papermaking, cement and other industries. Usage temperature from -20°C to +180°C. Rotation factor: 350.000.

■ **PROLUBE DARK**

Graphite anti-seize / lubricant paste

Calcium sulphonate based lubricant paste with the addition of graphite. Exceptionally resistant to water washout and high temperatures (up to +700°C). Ideal for cement plants, the port, shipbuilding and maritime industry, and the rail and steel industry.

■ PROLUBE ELECTRIC

Silicone-based dielectric grease

Special grease for electrical applications with silicone dielectric strength of 20 kV/mm. Ideal for electrical panels, switches, AC/DC connectors, battery terminals, light indicators, lighting applications, automotive, power connectors and wiring connectors. Usage temperature between -40°C and 200°C.

■ PROLUBE HS

Synthetic grease for bearings

Totally of synthetic origin based on complex soaps. Excellent mechanical strength properties make this grease ideal for use on bearings, including with high rotation factors. Ideal for use in the ceramic, iron and steel industries, paper mills and glassworks. Usage temperature between -60°C and +120°C. Rotation factor: 1.000.000.

■ PROLUBE MARINE

Special grease for marine applications

Formulated based on high performance, high adhesion titanium dioxide, specifically for the marine sector. Suitable for lubricating moving parts under high runoff conditions: for joints, pins, gears, levers, hinges. Its specifications thus make it ideal for the marine sector.

■ PROLUBE RAIL

Specific grease for lubricating fifth wheel hitches

High quality grease formulated on a 1.2 - hydroxystearate lithium base as a thickener. Active from -20°C to +130°C. Specific for lubricating fifth wheel hitches on trains and lorries.

■ PROLUBE SILVER AL

Lubricating anti-seize grease for extreme conditions

Formulated on an aluminum micronized spheroidal base. Resists extreme pressure conditions and temperatures up to 500°C. Suitable for the lubrication of moving parts such as chains working in kilns at extremely high temperatures.



chemical-physical properties

LINE	PRODUCT	Base and additives	Format	Packaging	Colour	Use
PROLUBE	PROLUBE AMBER EP	Lithium / EP Additives	P	DR/CA/C	Amber	Multi-purpose
	PROLUBE AMBER	Lithium	P	DR/CA	Amber	Multi-purpose
	PROLUBE ARTIC	Calcium hydroxystearate	P	DR/C	Orange	Low temperatures
	PROLUBE BLACK ML	Molybdenum disulphide/graphite	P	DR/CA/C	Black	High loads
	PROLUBE BLUE EP	Semi-synthetic / EP additives	P	DR/CA	Blue	Multi-purpose / Water presence
	PROLUBE BROWN EP	Synthetic polymers / EP additive	P	DR/CA	Dark Amber	Multi-purpose / Adhesive
	PROLUBE COPPER	Copper	P	DR/CA	Copper	Very high temperatures
	PROLUBE DARK	Graphite / Metal-organic additives	P	CA	Black	Anti-seize
	PROLUBE DARK PL	Polyurea	P	DR/C	Brown	Bearings / Low rpm high loads
	PROLUBE ELECTRIC	Silicone	P	CA	Translucent	Electrical
	PROLUBE HS	Lithium compounds/EP additives	P	DR/C	White	Bearings / Low loads high rpm
	PROLUBE MARINE	Titanium dioxide	P	CA	White	Marine
	PROLUBE RAIL	Lithium hydroxystearate	P	DR	Black	Transport
	PROLUBE SILVER AL	Aluminium	P	DR/CA	Silver	High temperatures
AEROSOL	AEROLUBE NEW	Calcium, PTFE	L/P	AE	White	Multi-purpose
	COPPERFILTE	Copper	P	AE	Copper	High temperatures
	DRY MOLY NEW	Molybdenum	D	AE	Dark grey	Dry film
	C-LUBE	Molybdenum, PTFE	L	AE	Black	Cables and wire ropes
	HI-TEMPREZE	Aluminium	D/L	AE	Silver	High temperatures, high loads
	LUBRAL AEROSOL	Paraffin	P	AE	White	Food industry
	SANITARY SPRAY LUBRICANT EU	Paraffin	L	AE	Colourless	Food industry
	STA FREE 2000	Lithium/EP additives,copper,Aluminium	P	AE	Metallic grey	Anti-seize
	ZEP 2000 NEW	Synthetic lubricant / PTFE	P	AE	Colourless	High loads
	DRY GRAPHITE II	Graphite	D	AE	Black	Graphite film
	ZEPLON NEW	PTFE	D	AE	White	Teflon film
FOOD	PROLUBE ALIM BIANCHE	Aluminium compounds	P	DR	White	Food industry

Legenda:

P - paste • L - liquid • D - dry

DR - drum • CA - canister
C - cartridge • AE - aerosol

■ ideal - ■ allowed - ■ not allowed

Usage temperature [°C]	NLGI gradation	Penetration (ASTM D 217) [mm/10]	Load bearing			Drip point [°C] (ASTM D 566)	Viscosity of base oil at 10°C (ASTM D 445) [ISO VG]	Emcor test (DIN 51802)	Rotation factor	Resistance to washout (ASTM D 1264) [% lost]	Weld load 4 sphere test (ASTM D 2596) [daN]	Other information
-20 to +120	2	265-295	■	■	■	>180	160	Passed	450.000			
-20 to +120	2	265-295	■	■	■	>180	100					
-40 to +60	2	265-295	■	■	■	140		0				In accordance with MIL G 10924
-20 to +120	1/2	290 - 310	■	■	■	>175	680					
-20 to +160	2	265-295	■	■	■	>220	680	0	200.000	<3%	>350	
up to 120			■	■	■		220				500	
-30 up to 1000	2	265-295	■	■	■		100					
up to 700	2	265-295	■	■	■	>280						Resistance to salts
-20 to +180	2	265-295	■	■	■	>250	460	0/1	350.000		2500	
-40 to +200	3	220-250	■	■	■		460					Base oil dielectric strength 20 kV / mm
-60 to +120	2	265-295	■	■	■	>180	22	0/1	1.000.000			
0 to 50	2	265-295	■	■	■	>185		0/1		<1%		Resistance to salts
-20 to +130	2	265-295	■	■	■		150					
up to 500	2	265-295	■	■	■	>140						
up to 200			■	■	■							High adherence gel
-30 to 1100	2	265-295	■	■	■	> 350					568	
up to 400			■	■	■							Low friction coefficient
-30 to +300			■	■	■							
up to 660			■	■	■							
-10 to +180			■	■	■							H-1 (NSF)
-20 to +200			■	■	■							H-1 (NSF)
up to 1.100	2	265-295	■	■	■							
-20 to +160	1/2	270-300	■	■	■	250						Adhesive/protective
up to 500			■	■	■							Low friction coefficient
-40 to +230			■	■	■							Low friction coefficient
-40 to +150	2	265-295	■	■	■	260						H-1 (NSF)

packaging and applications

Product	Short description	Use	Application	Formats						Brush
				CS 15 CA	CS 12 PZ (1Kg)	CS 4 X 5 Kg	FU 20 Kg	FU 25 Kg	FU 185 Kg	
PROLUBE ALIM BLANCHE	White grease for the food industry NSF H1	Food industry	Rollers, chains, pumping systems, lubrication of equipment and machinery. Exclusive to food industry manufacturing or packaging processes.					■		
PROLUBE AMBER	Multi-purpose lithium grease	Multi-purpose	Industrial and automotive: lubrication of moving parts and all bearings. Railway industry, construction, roads. Effective with water. Agricultural sector: tracks and mechanical parts. PROLUBE AMBER suitable for medium-light loads; PROLUBE AMBER EP suitable for heavy loads.		■		■		R	
PROLUBE AMBER EP	Multi-purpose lithium grease with EP additive	Multi-purpose		■	■		■		R	■
PROLUBE ARCTIC	Special grease for very low temperatures	Low temperatures	Trucking and Industry: lubrication applications in difficult conditions and low temperatures. Heavy artillery (conforms to MIL G 10924).	■		■			R	
PROLUBE BLACK ML	Molybdenum disulfide grease for heavy duty lubrication	High loads	Industry and Automotive: earthmoving, quarrying, agricultural machinery, construction and road machinery, heavy industrial machinery. Lubrication of all moving parts.	■	■		■		R	
PROLUBE BLUE EP	High stability semi-synthetic grease	Multi-purpose water presence	Presence of water and low temperatures. Mining and Quarrying: lubrication of chutes, pins, joints, machinery cables. Heavy industry: lubrication of large hydraulic hammers. Automotive: tripoidal constant velocity joints on motor vehicles.		■	■			R	
PROLUBE BROWN EP	High adhesion semi-synthetic grease	Multi-purpose adhesive	Cement industry, refining, metals processing, rail: lubrication of enclosed gears. Suitable for all open gear casings with manual applications.		■		■			
PROLUBE COPPER	Copper lubricant / anti-seize compound for high temperatures	Very high temperatures	Heavy industry: expansion joints and flanges, nuts, bolts and hinges for boiler inspection covers; bolts, screws and nuts for overhead furnaces, injection valves, diesel engine cylinder heads, threaded fittings, drill rods. In all cases where heat or a highly corrosive environment can create irreversible blockages.		■	■			R	■
PROLUBE DARK	Graphite anti-seize / lubricant paste	Anti-seize	Cement plants: cylindrical, bevel and helical gears, chain conveyors, rack and pinion, slide bearings and roller bearings, wire ropes and all crown-pinion couplings. Shipbuilding and marine industry: lubrication of crane cables and loading/unloading systems. Steel industry: rotary parts in kilns, ore handling machinery and scrap processing plants. Rail: lubrication of rails in port railway lines.		■					■
PROLUBE DARK PL	Multi-purpose high performance polyurea grease	Bearings / Low rpm high loads	Steel, paper, cement industries: bearings operating at high temperatures, low rpm and high loads. Automotive: sealed bearings with long-life lubrication.	■		■				
PROLUBE ELECTRIC	Silicone-based dielectric grease	Electrical	Electrical industry: electrical panels, switches, AC/DC connectors, battery terminals, light indicators. Automotive sector: power connectors, wiring connectors, etc.		■					■
PROLUBE HS	Synthetic grease for bearings	Bearings/Low loads high rpm	Ceramics, iron and steel, paper, glass industries: lubrication of bearings with high rotation speeds.	■		■				
PROLUBE MARINE	Special grease for marine applications	Marine	Nautical sector: joints, pins, gears, levers and hinges. For all applications where lubrication is required under high seawater leaching conditions.		■					■
PROLUBE RAIL	Specific grease for lubricating fifth wheel	Transport	Lubrication of fifth wheel hitches on trucks and lorries. Ideal for bumper trains in the railway sector.				■		R	
PROLUBE SILVER AL	Lubricating anti-seize grease for extreme conditions	High temperatures	Lubrication of moving parts, chains and bearings in very high temperature kilns, mould columns, coupling rods and steam generator valves.		■	■			R	■

other greases

INDUSTRY AEROSOLS

■ AEROLUBE NEW

White aerosol grease with PTFE®

Contains micronized PTFE®. Its gel formulation easily penetrates even the most difficult spots and does not drip or drop even at high temperatures. Ideal for localised lubrications where a uniform film is required. Helps prevent rust and corrosion.

■ C-LUBE

Superior Chain and Cable Lubricant

C-LUBE protects and lubricates all chains and cables on cranes, earth movers, forklift trucks, hoists, conveyors, mining and quarry machinery and on all industrial equipment.

■ COPPERFILTE

Copper-based anti-corrosion lubricant for high temperatures

Specially formulated for all high temperature applications, COPPERFILTE contains copper micro-particles, a special additive that allows the product to remain active at temperatures between -30°C and +1100°C.

■ DRY GRAPHITE II

Dry graphite based lubricant

Adheres firmly to all metals and most plastics. Forms a stable film to heat, lubricating at up to 500°C. Dries very quickly and does not attract dust, is resistant to water, oils and alkalis. Ideal in cases where a dry or release and non-stick lubricant is required.

■ DRY MOLY NEW

Dry molybdenum disulphide lubricant

Forms a dry film that can withstand high temperatures and pressures. The film adheres well to most types of surfaces, lubricating without being greasy. Protects metal from rust and prevents corrosion.

■ LUBRAL AEROSOL



Aerosol grease for the food industry

Specially formulated for machinery operating in the food industry. Approved for direct contact with foods. Registration no. 138349 (category NSF H1).

■ SANITARY SPRAY LUB. EU

Aerosol lubricant

A lubricant oil, approved NSF H1 (Registration no. 144023) and therefore usable in the food industry. Formulated with excellent quality primary materials.



■ HI-TEMPREZE

The Superior Anti-Seize Lubricant

HI-TEMPREZE gives superior protection and lubrication to screw threads. It gives maximum torque and reduces friction. Pitting, rusting, seizure and thread distortion are all eliminated. HI-TEMPREZE also eliminates leakage and ensures easy removal even when two different metals are used.

■ STA FREE 2000

Anti-seize lubricant for high temperatures with copper and aluminium

Resistant to a maximum temperature of 1100°C. Possesses exceptional lubricating and protective qualities that ensure a longer life to treated parts. Ideal even in heavy load conditions.

■ ZEP 2000 NEW

Grease for high pressures

Durable high tack stringy grease spray. Enriched with PTFE and micronized. Adheres to surfaces and withstands crushing, even at very high pressure or strong vibrations. Excellent penetration on application, even in the most difficult spots, quickly forming a resistant grease.

■ ZEPLON NEW

Micronized PTFE aerosol

Long-lasting dry lubricant for multiple uses. Contains micronized PTFE, which possesses the lowest friction coefficient of any known dry lubricant.

FOOD & BEVERAGE

■ PROLUBE ALIM BLANCHE

White grease for the agro-food industry



Possesses good mechanical strength even in the presence of water. Approved NSF H1 (Registration no. 139719). Contains synthetic oils that ensure excellent performance even at low temperatures. Effective from -40°C to +150 °C.



Over 70 years since it was founded, Zep is an industry leader at a global level. With a presence on all five continents, Zep serves millions of customers thanks to a widespread sales distribution network.

Every year Zep invests in research on new products, and in the designing of next generation equipment, guaranteeing performance, user safety and respect for the environment.

Zep's organisation offers a highly qualified consulting and support service to all customers, providing the most suitable response to all maintenance and hygiene issues.

INDUSTRY Chemical auxiliaries for industrial maintenance

WATER TREATMENT Products and systems for the maintenance of closed loops, cooling towers and steam generators

FOOD & BEVERAGE Food industry hygiene and sanitation, HACCP

INSTITUTIONAL Hygiene products and systems for hotels, restaurants and communities.

PROFESSIONAL CLEANING & MAINTENANCE Cleaning and maintenance for professional applications

PAPER & CLEANERS Consumable accessories for civil and industrial uses

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ISO 9001

BUREAU VERITAS
Certification



N° 206982



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