

ROCOL®



MARINE & OFFSHORE

Speciality Lubricants for the Marine & Offshore Industries

Performance you can trust



A HISTORY OF EXCELLENCE

ROCOL® has been providing engineers with high performance lubrication solutions for more than 130 years.

During that time we have worked with some of the world's leading companies in many diverse industries and applications, developing products with one common goal:

Performance You Can Trust



At Rocol we manufacture a range of innovative greases, oils, metalworking fluids, lubricants, aerosol paints, anti-slip floorcoatings and panels - all designed to excel in today's challenging operating conditions.

Over the last 130 years, we have expanded considerably and offer solutions to nearly every facet of industry with over 150 distributors stocking and supplying the product range worldwide.

We pride ourselves on producing technically advanced products with industry needs at the core. Each and every product has been developed in the spirit Rocol is renowned for.



- Trusted Superior Performance
- Problem Solving
- High Quality
- Technical Innovation
- Excellent Technical & After-Sales Support

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WIRE ROPE LUBRICATION

Wire ropes are like complex machines requiring dedicated lubricants to perform

ALTHOUGH SIMPLE IN APPEARANCE, THE INTRICATE CONSTRUCTION AND MULTITUDE OF DEMANDS PLACED ON WIRE ROPES MEANS THAT, LIKE ANY MACHINE, THEY MUST BE LUBRICATED TO ACHIEVE OPTIMUM PERFORMANCE AND SERVICE LIFE.

Reducing the internal friction

generated during load application & removal and the bending of the rope over sheaves and drums is vital.

It is generally accepted that the bend fatigue life of a lubricated wire rope can be up to 60% longer than that of a non-lubricated rope.

Protecting the rope from the often severely corrosive conditions encountered in marine and other environments is another key consideration. Although ropes may appear in good condition, corrosion of the core may go unnoticed, creating a potentially dangerous situation.

The potential savings in both time and money in addition to improved operational safety mean that correct in-service lubrication is a key part of wire rope use.

KEY REQUIREMENTS OF WIRE ROPE LUBRICANTS

Whilst it may be clear that lubrication is a vital part of maximising rope life, delivering the correct balance of properties in a single product is a significant challenge. A wire rope lubricant must:

- ➔ Provide excellent corrosion protection
- ➔ Achieve maximum penetration to ensure protection of the rope core
- ➔ Be easy, pleasant and safe to apply
- ➔ Resist wash-off and fling-off
- ➔ Reduce friction and wear
- ➔ Operate at a range of temperatures



BIOGEN WIRE SHIELD®

VGP & European Ecolabel compliant lubricant for wire ropes and umbilicals

Environmentally Acceptable Lubricants are often quoted as having reduced performance capabilities when compared to traditional mineral oil lubricants. BIOGEN WIRESHIELD has been developed to either equal or out perform mineral oil lubricants.

OUTSTANDING CORROSION RESISTANCE

BIOGEN WIRESHIELD is proven to excel in the most corrosive environments. Identical sections of wire ropes were lubricated with BIOGEN WIRESHIELD and a leading competitor product, before being exposed to a salt spray fog for 1000 hours (ASTM B117).



Competitor lubricant
(significant corrosion)



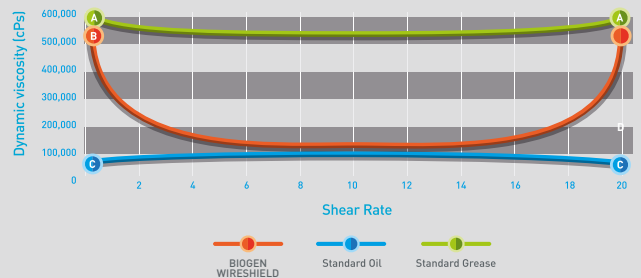
BIOGEN WIRE SHIELD
(zero corrosion)

PSEUDOPLASTIC RHEOLOGY

Shear or agitation causes a reduction in the dynamic viscosity, approaching that of an oil.

- Aiding penetration into the core of wire ropes and umbilicals.
- Increasing pumpability during automatic application, minimising blockages.

Whilst at rest the lubricant behaves like a highly tenacious grease optimising wash-off and fling-off resistance.



FULL VGP COMPLIANCE

The Vessel General Permit for Discharges Incidental to the Normal Operation of Vessels (VGP) is a US licence which works alongside the Clean Water Act. As a direct oil-to-sea interface, wire ropes and ROV umbilicals are legally required to use Environmentally Acceptable Lubricants (EALs), meaning they are biodegradable, non-bioaccumulative and have minimal eco-toxicity.



WIDE TEMPERATURE RANGE

BIOGEN WIRESHIELD has a service temperature range of -50°C to +180°C, making it ideal for arctic conditions as well as for active heave compensation. The advanced thickener system is designed to prevent the grease from melting, resulting in a drop point in excess of 250°C.



EUROPEAN ECOLABEL CERTIFIED

BIOGEN WIRESHIELD carries the European Ecolabel (Licence no. UK/27/013), therefore guaranteeing VGP compliance and promoting environmental excellence.



NO SHEEN FORMULA

BIOGEN WIRESHIELD will not impart sheen on water



NO COMPROMISE
ENVIRONMENT • OPERATOR • CABLES

PART CODE	SIZE
20064	18kg
20069	160kg



CASE STUDY

BIOGEN WIRE SHIELD®

CLIENT Fugro Subsea Services Ltd
PRODUCT **BIOGEN WIRESHIELD®**
LOCATION Aberdeen

Offshore and subsea environments are amongst the most demanding conditions possible for maintenance lubricants, so there is absolutely no room for performance compromise when it comes to meeting even stricter environmental standards demanded under the new VGP requirements.

That is particularly pertinent to the lubrication of wire ropes and umbilicals, which are routinely used in the field for many years. Lubricants used on this equipment are expected to perform consistently for extended periods as re-application at sea is extremely challenging, and the high cost to replace corroded or damaged umbilicals during their assignment puts a sharp focus on ensuring the lubricants do their job.

Total assurance that the new generation of wire rope and umbilical lubricants will tick both the operational and ecological boxes can only be delivered through real-life field testing – and that’s exactly what one leading subsea services company has done. Aberdeen-based Fugro Subsea Services Ltd supports a wide range of customers operating in the North Sea, the Mediterranean and Africa. As part of a commitment to implement ecologically-sensitive solutions wherever possible whilst maintaining the performance its customers expect, the firm was looking for an ecologically sensitive and dependable solution for use on vessels.

Fugro Subsea Services Ltd operates a diverse fleet of ROVs (Remotely Operated Vehicles) and vessels which are commissioned for numerous offshore projects, including underwater construction projects, subsea engineering, inspection, repair and maintenance of pipelines and subsea structures and trenching in the oil, gas and renewable markets. Fugro’s client base includes many of the major oil and gas operators and world’s largest subsea contractors.

The company ran a trial using BIOGEN WIRESHIELD on ROVs operating from its Grampian Surveyor vessel for a three-month period off the coast of West Africa. The trial was designed to put the lubricant through its paces on umbilicals in the deepest operating waters (between 1000m and 3000m) – much deeper than the 100m to 200m depths typically found in the North Sea.

According to Fugro Subsea’s technical support engineer Andrew Morton, the trial results provided the assurances they sought and gave them the confidence to give BIOGEN WIRESHIELD approved product status.

As an Environmentally Acceptable Lubricant (EAL), BIOGEN WIRESHIELD was developed by ROCOL specifically to meet the biodegradable definition, according to the OECD 306 test method. Prior to customer trials, product testing had already demonstrated zero galvanic reaction after 1000 hours in salt spray tests, plus shear stability in the presence of salt water with little degradation.

Customer Feedback:

“ Using a product such as **BIOGEN WIRESHIELD** means we are able to greatly extend the lifetime of our umbilicals, and we can avoid any long delays for umbilical repair or replacement whilst also respecting the environments in which we operate ”

Andrew Morton



WIRE ROPE DRESSING

Proven performance for over 40 years

WIRE ROPE DRESSING, previously known as RD105 has been the industry's first line of defence against wire rope corrosion and wear for almost half a century.

WIRE ROPE Dressing

Multi-purpose rope lubricant



The unique blend of lubricating solids contained in the product reduces the internal friction and wear encountered in multi-strand wire ropes. It is highly resistant to water wash-off and provides excellent corrosion protection, making it suitable for use even in salt water environments.

DESCRIPTION	PART CODE	SIZE
WIRE ROPE Dressing	20026	4kg
	20024	18kg

WIRE ROPE Fluid

Ideal for spray application



Fluid version of WIRE ROPE Dressing. Specially selected petroleum solvents added to the formulation provide both enhanced de-watering and penetration properties making the product particularly suitable for use on wet ropes. The fluid nature also makes the product suitable for spray application. Once the solvent evaporates performance is identical to WIRE ROPE Dressing.

DESCRIPTION	PART CODE	SIZE
WIRE ROPE Fluid	20046	5L
	20045	20L

WIRE ROPE Spray

Convenient aerosol pack



Convenient aerosol version of WIRE ROPE Dressing. The solvents and propellants provide enhanced de-watering and penetration properties making the product suitable for use on wet ropes. The convenience of the aerosol dispenser makes this product ideal for use on equipment such as mobile cranes and for spot application to high wear sections of rope. Once the solvent evaporates, performance is identical to WIRE ROPE Dressing.

DESCRIPTION	PART CODE	SIZE
WIRE ROPE Spray	20015	400ml



- Approved to NATO and Naval standards
- Highly refined mineral oil
- Unique clay based thickener
- Semi fluid, non-melting grease

PFPE GREASES

Extreme resistance PFPE greases for use in hostile environments

Bearings • Small Gears • Slides • Pins • Valves • Plungers • Screws

- ➔ Oxygen Compatible & Non-Combustible
- ➔ Broad Temperature Service
- ➔ Exceptional Compatibility with Rubbers, Plastics and Metals
- ➔ Highly Resistant to Acid, Solvent & Chemical Attack
- ➔ Vacuum Resistant

ROCOL PFPE GREASES ARE DESIGNED TO OPERATE WHERE OTHER LUBRICANTS FAIL

Some environments are too hostile for conventional greases; conversely, conventional greases are often aggressive towards delicate environments. Rocol PFPE greases are designed to prevent the following issues:

- ➔ Embrittlement, swelling and shrinking of rubbers and plastics
- ➔ Stressing of metals
- ➔ Strong odours
- ➔ Contact wear
- ➔ Evaporative loss
- ➔ Equipment failure at both high and low temperatures
- ➔ Oxidation
- ➔ Fires caused by lubricants

PFPE GREASES IN THE MARINE AND OFFSHORE INDUSTRIES

Greases used in the Marine and Offshore industries are often exposed to aggressive environments and chemicals. PFPE greases are an ideal choice where grease compatibility is essential, for example in valves and pumps.

ROCOL PFPE greases are recommended on Ministry of Defence diving and breathable air control systems, and often used in "fit and forget" and "sealed for life" lubricant applications.



PFPE GREASES



PRODUCT*	PART CODE	NLGI NUMBER	BASE FLUID VISCOSITY IP 71 / @ 20°C	TEMPERATURE RANGE
SAPPHIRE® ENDURE (100g)	12330	2	1600 cSt	-25°C to +280°C
YVAC3 (100g)	39011	3	1400 cSt	-20°C to +200°C
OT20 (100g)	39021	2	35 cSt	-70°C to +100°C
UT18 (100g)	39031	2	500 cSt	-30°C to +150°C
RT15 (100g)	39041	2	1600 cSt	-20°C to +200°C
YNX (100g)	39081	1-2	250 cSt	-40°C to +220°C

* PLEASE ENQUIRE FOR ADDITIONAL PACK SIZES



VACUUM RESISTANT

The PFPE base fluids used in ROCOL® PFPE greases have extremely low volatility due to their long carbon chains, which prevents the grease from evaporating when exposed to high vacuum or extensive periods of high temperature.

ROCOL YVAC3 is the preferred lubricant for high vacuum applications:










Vapour Pressure at +20 °C	5x10 ⁻¹³ Torr
Vapour Pressure at +100 °C	5x10 ⁻⁸ Torr

An added benefit of the low volatility of PFPE greases is reduced odour, making it ideal for use in highly sensitive environments.

ANTI-SEIZE & ASSEMBLY

The ROCOL® Anti-Seize & Assembly range is specially formulated to reduce downtime and costs of assembly.

Our products provide a durable barrier between metal to metal surfaces, offering many years of protection against galling, pick-up and corrosion.

	BASE	SPECIFICATION	PART CODE	
ANTI-SEIZE 797	Nickel	 -40°C to +1000°C  0.085	<ul style="list-style-type: none"> → Nuclear grade → Rolls Royce MSRR 9380 → Rolls Royce OMAT 4/56 	16403 (500g)
ANTI-SEIZE Compound	Copper, graphite, molybdenum disulphide	 -50°C to +1100°C  0.15	<ul style="list-style-type: none"> → Excellent corrosion protection, in the most aggressive environments → Naval Cat. No. 0475-541-8659 → RAF Cat. No. 34D/301-6210 	14030 (85g) 14033 (500g) 14035 (6kg) 14038 (18kg)
ANTI-SEIZE Regular Grade	Graphite, copper, aluminium	 -180°C to +1100°C	<ul style="list-style-type: none"> → Excellent corrosion protection, in the most aggressive environments → Resists vibrations, high pressure and high temperature 	14026 (250g) 14027 (500g)
ANTI-SEIZE Spray	Copper, graphite, molybdenum disulphide, aluminium	 -10°C to +1000°C  0.15	<ul style="list-style-type: none"> → Excellent corrosion protection, in the most aggressive environments → Aerosol allows quick and easy application 	14015 (400ml)
ANTI-SEIZE Stainless	Graphite	 -40°C to +1000°C  0.085	<ul style="list-style-type: none"> → Ideal for stainless steel and aluminium → Rolls Royce MSRR 4008 → Naval Cat. No. 0475-179-9539 	14143 (500g)

 Temperature Range

 Coefficient of friction

ROCOL ANTI-SEIZE PRODUCTS OFFER EXCELLENT WATER-RESISTANCE AND CORROSION PROTECTION EVEN WHEN SUBMERGED, MAKING THEM IDEAL FOR SUBSEA APPLICATIONS



ANTI-SEIZE & ASSEMBLY

ASSEMBLY LUBRICATION

DRY MOLY Fluid, Paste and Spray

Extreme load, dry film molybdenum disulphide paste, designed for use where a wet lubricant cannot be tolerated.

MTLM ASSEMBLY & RUNNING-IN PASTE

High content molybdenum disulphide coating. Eases a ssembly and provides complete protection during critical start-up and running-in periods.

OXYLUBE Spray

High content molybdenum disulphide paste. Oxygen compatible and suitable for aggressive environments such as vacuum and petroleum based solvents.

DISMANTLING LUBRICATION

PENETRATING Spray

A powerful release agent for seized or corroded components, for fast acting release even after prolonged periods of seizure.

SHOCK RELEASE Spray

A fast acting release spray that uses shock freeze action to rapidly free mechanical assemblies, seized by dirt or corrosion.

DESCRIPTION	PART CODE	SIZE
DRY MOLY Fluid	10205	5L
DRY MOLY Paste	10040	100g
	10046	750g
DRY MOLY Spray	10025	400ml

DESCRIPTION	PART CODE	SIZE
MTLM	10050	100g
	10056	750g
	10057	18kg

DESCRIPTION	PART CODE	SIZE
OXYLUBE Spray	10125	400ml

DESCRIPTION	PART CODE	SIZE
PENETRATING Spray	14021	300ml

DESCRIPTION	PART CODE	SIZE
SHOCK RELEASE Spray	32040	400ml



ROCOL ANTI-SEIZE

SPECIALLY FORMULATED TO REDUCE DOWNTIME AND COST OF ASSEMBLY

OPEN GEAR LUBRICANTS

Designed to reduce equipment failure and downtime, Rocol® Open Gear lubricants offer excellent resistance to corrosion and wear, even in damp and wet conditions, making them ideal for use in the Marine & Offshore industries.

TUFGEAR Universal

Heavy duty open gear lubricant

A heavy duty open gear grease containing a blend of high load carrying solids.

- ➔ Suitable for use in strong under water currents and high loads
- ➔ Excellent corrosion resistance to protect in humid, damp and wet conditions
- ➔ Outstanding EP performance
- ➔ Excellent adhesion to gear teeth – no fling
- ➔ Reduces equipment failure and downtime
- ➔ Approved to NATO, Naval and RAF Standards
- ➔ Temperature range -40°C to +120°C

PART CODE	SIZE
18302	400g
18305	5kg
18304	18kg



TUFGEAR Spray

Heavy duty open gear lubricant

A high viscosity, heavy duty open gear grease containing a blend of high load carrying solids to provide excellent anti pitting properties.

- ➔ Excellent corrosion resistance to protect in humid, damp and wet conditions
- ➔ Outstanding EP performance
- ➔ Thin film minimises attraction of dust and dirt
- ➔ Excellent load carrying capacity and resistant to water
- ➔ Approved to NATO Standards
- ➔ Temperature range of -10°C to +100°C

PART CODE	SIZE
18105	400ml



TUFLUBE Allweather

Highly versatile, totally water resistant lubricant that can even be applied when fully submerged

A highly adhesive lubricant designed for effective lubrication and protection in extremely wet and highly loaded environments.

- ➔ Outstanding EP performance
- ➔ Excellent corrosion resistance to protect in humid, damp and even wet conditions
- ➔ Highly resistant to water wash off
- ➔ Tenacious, self-repairing film
- ➔ Pumpable and can be applied through automatic lubricator
- ➔ Free from bitumen and solvents
- ➔ Temperature range -30°C to +70°C

PART CODE	SIZE
18271	400g
18276	5kg
18244	18kg



ROCOL HIGH PERFORMANCE OPEN GEAR LUBRICANTS WILL EXTEND TOOTH LIFE BY PROTECTING AGAINST CORROSION AND WEAR

INDUSTRIAL CHAIN LUBRICANTS

ROCOL® offers a comprehensive range of lubricants designed to rapidly penetrate chain links and pins and operate in a wide range of environments.

CHAIN & DRIVE Spray

High performance chain lubricant with exceptional penetration, corrosion protection and lubrication properties

Versatile, high performance, chain lubricant suitable for all types of drive and conveyor chains in a convenient aerosol can.

- Multi-purpose drive and conveyor chain lubricant
- Unbeatable corrosion protection
- Ideal for wet and humid conditions
- Good water displacing properties
- Highly water repellent
- Excellent anti-wear performance
- Approved to RAF, Naval and NATO Standards
- Temperature range -30°C to +150°C

PART CODE	SIZE
22001	330ml



CHAIN & DRIVE Fluid

Multi-purpose chain lubricant for maximum penetration and lubrication

Highly versatile, high performance, chain lubricant suitable for all types of drive and conveyor chains.

- Superb load carrying properties
- Excellent penetration into links and pins
- Good resistance to water wash off
- Outstanding corrosion protection
- Long term lubrication
- Temperature range -15°C to +120°C

PART CODE	SIZE
22306	5L
22309	20L



CHAINGUARD Hi-Load Spray

High performance, heavy duty, molybdenum disulphide chain lubricant

High performance, aerosol chain lubricant containing molybdenum disulphide for use in the most arduous conditions. Ideally suited for use on all types of chains under heavy loads.

- Heavy duty, multi-purpose drive and conveyor lubricant
- Ideal for fork lift truck chains
- Fortified with molybdenum disulphide for exceptional load and wear resistance
- Excellent corrosion protection
- Ideal for wet and humid conditions
- Good water displacing properties
- Highly water repellent
- Temperature range -30°C to +180°C

PART CODE	SIZE
22141	300ml



WHATEVER THE TYPE OF DRIVE OR CONVEYOR CHAIN IN USE, Rocol CAN PROVIDE A LUBRICANT TO ENSURE TROUBLE-FREE OPERATION, CUTTING EXPENSIVE DOWNTIME AND PRODUCTIVITY LOSS

INDUSTRIAL BEARING GREASES

The **ROCOL SAPPHIRE®** bearing grease range will provide effective long term lubrication and meet the ever increasing needs of today's production environment.

SAPPHIRE

High performance, triple life bearing grease

Revolutionary long life bearing grease for optimum lubrication. Suitable for all types of ball, roller and plain bearings.

- ➔ Triple life bearing grease
- ➔ Extreme load and wear performance
- ➔ Extended lubrication intervals
- ➔ Revolutionary multi complex grease
- ➔ Good corrosion resistance
- ➔ Temperature range -30°C to +150°C

DESCRIPTION	PART CODE	SIZE
NLGI 2	12171	400g
	12176	5kg
	12175	18kg
	12178	50kg
	12179	185kg
NLGI 1	12601	400g
	12614	18kg
	12608	50kg
	12609	185kg
NLGI 000	12276	5kg
	12284	18kg



SAPPHIRE Premier

Versatile, multi-purpose, synthetic grease with PTFE

A high performance, fully synthetic multi-purpose grease designed for all types of antifriction bearings operating in extreme conditions.

- ➔ Extreme high and low temperature capability
- ➔ High speed applications such as fan and motor bearings
- ➔ Extended lubrication intervals
- ➔ Ideal electrical contact grease
- ➔ Compatible with most plastics and rubbers
- ➔ Temperature range -50°C to +200°C

DESCRIPTION	PART CODE	SIZE
NLGI 2	12471	380g
	12475	4kg
	12474	18kg
	12479	170kg



SAPPHIRE Spray Grease

Versatile, multi-purpose, synthetic spray grease with PTFE

A high performance, fully synthetic multi-purpose grease supplied in an aerosol for ease of application and convenience.

- ➔ Extreme high and low temperature capability
- ➔ High speed applications such as fan and motor bearings
- ➔ Extended lubrication intervals
- ➔ Ideal electrical contact grease
- ➔ Compatible with most plastics and rubbers
- ➔ Fortified with PTFE
- ➔ Temperature range -50°C to +200°C

PART CODE	SIZE
34305	400ml



SAPPHIRE Lo-Temp 2

High performance, low temperature grease for improved bearing life

A revolutionary, multi-complex, semi-synthetic grease designed for excellent performance at extremely low temperatures. Ideal for cold stores and other refrigerated areas.

- ➔ Low start up and running torques
- ➔ Triple life bearing grease
- ➔ Extreme load and wear performance
- ➔ Revolutionary multi-complex grease
- ➔ Extended lubrication intervals
- ➔ Temperature range -50°C to +120°C

DESCRIPTION	PART CODE	SIZE
NLGI 2	12741	400g
	12744	18kg



INDUSTRIAL BEARING GREASES

SAPPHIRE Aqua 2

Water resistant bearing grease

A high performance grease designed to give superior resistance to water washout. For use in all types of ball, roller and rolling bearings.

- Outstanding long term water resistance, even when submerged
- Excellent corrosion protection
- Extended lubrication intervals
- Good load and wear performance
- Temperature range of -20°C to +150°C

DESCRIPTION	PART CODE	SIZE
NLGI 2	12751	380g
	12755	4kg
	12754	18kg
	12758	50kg



SAPPHIRE Endure

Premium, long- life, chemical resistant lubricant

High performance, perfluoropolyether, extreme pressure grease fortified with PTFE. Designed to operate where conventional greases fail due to chemical contamination or attack.

- Extreme chemical and solvent resistant
- Resists caustic wash down
- Greatly extends lubrication intervals
- Excellent high load and anti-wear properties
- Extremely stable at high temperatures
- Approved by Rolls Royce for use on Harrier Pegasus Thrust Nozzle Drive Mechanism
- Also approved for Submarine Clearance
- Temperature range of -10°C to +280°C

PART CODE	SIZE
12330	100g
12331	700g
12334	1kg
12336	5kg
12337	18kg



SAPPHIRE Aqua-Sil

Potable water and chemically resistant silicone grease

A high temperature, translucent silicone grease approved for use with potable water. Designed for the lubrication of slow speed bearings, slides and similar applications.

- Water Regulations Advisory Scheme - Approved Product
- Excellent high temperature performance range
- Ideal for the assembly of rubber 'O' rings and seals
- Good resistance to chemicals, oils, water and gasses
- Compatible with most rubbers and plastics
- Approved for use with hot or cold drinking water
- Temperature range of -40°C to +200°C.



DESCRIPTION	PART CODE	SIZE
NLGI NO 3-4	12251	85g
	12253	500g
	12256	5kg



SAPPHIRE Aqua-Sil Hi-Load

Heavy duty, potable water and chemically resistant silicone grease

A high temperature, dark grey silicone grease, containing molybdenum disulphide approved for use with potable water. Recommended for the lubrication of bearings, slides and valves operating under heavy loads in aggressive environments.

- Water Regulations Advisory Scheme - Approved Product
- Excellent high temperature performance range
- Particularly suited for larger valves and assemblies common to water treatment plants
- Good resistance to chemicals, oils, water and gasses
- Compatible with most rubbers and plastics
- Approved for use with hot or cold drinking water
- Temperature range of -40°C to +200°C.



DESCRIPTION	PART CODE	SIZE
NLGI NO 3-4	12263	500g
	12266	5kg



CORROSION PROTECTION

ROCOL® corrosion preventatives protect metal components, extending working life and reducing the need for rework and repair.

Z25 Fluid

Oily, de-watering, corrosion inhibitor for indoor protection

Light /medium duty, multipurpose lubricant. Ideal for the light lubrication of chains, hinges, linkages and pins.

- ➔ Good dewatering and penetration properties
- ➔ Provides a thin, high performance oily film
- ➔ Excellent corrosion protection indoors for up to 1 year
- ➔ Specially formulated to clean oil contaminated parts
- ➔ Ideal for light lubrication of chains, hinges, linkages and pins
- ➔ Does not contain silicones or chlorinated solvents
- ➔ Temperature range -20°C to +110°C

PART CODE	SIZE
37118	20L



Z30 Fluid & Spray

Outdoor, long-lasting, waxy corrosion preventative

Heavy duty waxy film for long term outdoor corrosion protection of various machinery parts.

- ➔ Good dewatering and penetration properties
- ➔ Thin, flexible film - does not crack or chip
- ➔ Does not contain silicones or chlorinated solvents
- ➔ Dry film - does not attract dirt or dust
- ➔ Temperature range -20°C to +110°C
- ➔ Ideal for long term protection of underground installations and offshore platforms
- ➔ Available in both fluid and aerosol form
- ➔ Approved to NATO standards (aerosol)

DESCRIPTION	PART CODE	SIZE
Spray	37020	300ml
Fluid	37022	5L
Fluid	37028	20L



Z50 Fluid

Coiled Tubing Corrosion Inhibitor

Patented water-extendible corrosion inhibitor to prevent corrosion and pitting on the internal surface of coiled tubing.

- ➔ Effectively neutralizes organic and inorganic acids
- ➔ Provides excellent residual corrosion protection
- ➔ Extends tube life and minimizes the risk of in service failure
- ➔ Simple and quick to use
- ➔ Does not require additional expensive equipment
- ➔ Readily biodegradable

PART CODE	SIZE
37049	200L



HEAVY DUTY RUSTSHIELD Spray

Red, waxy corrosion preventative for higher visibility

Long-term, outdoor corrosion preventative for protection of all machined or pressed steel components.

- ➔ Effective outdoor corrosion protection
- ➔ Mild de-watering action
- ➔ Ideal protection for components in storage and transit
- ➔ Dry film - doesn't attract dirt or dust
- ➔ Thin flexible film - does not crack or chip

PART CODE	SIZE
69100	300ml



METAL ENRICHED PAINTS

Available in a variety of finishes, the range offers a highly flexible method of galvanisation, which is suited to in-situ application and can be applied to both new and old metal components for long term protection against corrosion.



ROCOL® Metal Enriched Paints are single component zinc coatings for the protection of steel in heavy industrial and marine environments. All ROCOL metal enriched paints have a non-toxic formulation, are suitable for use as a primer and can be over painted. The high performance valve will not block when used properly, minimising product waste.

COLD GALVANISING Spray

Ultimate long term corrosion protection for metal components requiring a permanent zinc-rich coating

- Greater than 95% high purity zinc in the dry film
- Zero corrosion following 3500 hours salt spray
- Temperature range -30°C to +450°C
- Galvanic cell continues to protect bare metal when scratched

PART CODE	SIZE
69515	400ml



GALVA MATT

Outstanding long term corrosion protection for metal components requiring a permanent matt coating

- Greater than 70% high purity zinc in the dry film
- Zero corrosion following 2000 hours salt spray
- Temperature range -30°C to +450°C

PART CODE	SIZE
69524	500ml



GALVA BRIGHT

Outstanding long term corrosion protection for metal components requiring a permanent bright coating

- Greater than 45% high purity zinc in the dry film
- Zero corrosion following 2000 hours salt spray
- Temperature range -30°C to +450°C
- Contains zinc, aluminium, synthetic resins & additives

PART CODE	SIZE
69523	500ml



GALVA FLASH

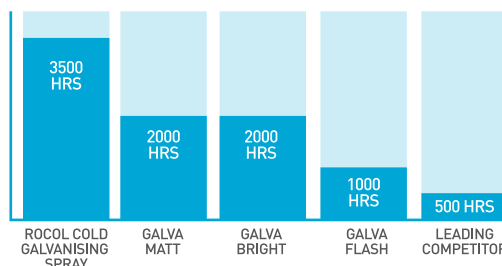
Corrosion protection for metal components requiring a permanent bright, glossy appearance with the lustre of aluminium

- Zinc and aluminium blend for a permanent reflective metal appearance
- Zero corrosion following 1000 hours salt spray
- Temperature range -30°C to +450°C

PART CODE	SIZE
69522	500ml



SALT SPRAY TEST ASTM B117*



*Salt water is sprayed onto steel plates coated with Metal Enriched Paints. The number of hours for which corrosion can be resisted is measured.

INDUSTRIAL MULTI-PURPOSE MAINTENANCE & CLEANERS

The ROCOL® range of general purpose maintenance & cleaning products are designed to be an easy to use and cost effective part of any maintenance & cleaning program in any industry.

WD Spray

Highly effective, water displacing spray that lubricates, penetrates and protects against corrosion

A blend of refined mineral oil designed for use as a multi-purpose product. It is ideal for use as a general lubricant to protect small components such as hinges and locks.

- Powerful jet application to mechanically penetrate rust and debris
- Displaces water – ideal for drying out engine ignition systems
- Fast acting formulation
- Excellent corrosion protection
- Assists release of seized parts

PART CODE	SIZE
34271	300ml



SAPPHIRE® Precision Lube Spray

Multipurpose, high performance spray lubricant with PTFE

A high performance, colourless non stick lubricating film with wide temperature stability for use on slides, chutes, bearings and conveyors.

- Extended life and reduced waste due to significantly higher levels of active ingredient
- Resists oxidation and corrosion
- Non toxic, clean and colourless
- Approved to NATO Standards
- Wide temperature range -50°C to +200°C

PART CODE	SIZE
34341	400ml



METAL REPAIR Compound

New and improved, solvent free, epoxy putty containing non-rusting metallic fillers

A permanent repair compound which can be used to repair castings, valve and pump components.

- 4 minute cure time and full use after just 1 hour
- Binds to a wide range of substrates: metal, glass, ceramic, concrete, fibreglass and wood
- Eliminates the need for welding and brazing
- Can be applied underwater
- Permanent strength up to 23MPa
- Temperature range up to +150°C

PART CODE	SIZE
64012	56g



HEAVY DUTY CLEANER Spray & Fluid

High performance, heavy duty, water emulsifiable cleaner

A powerful slow-evaporating, water emulsifiable, solvent based cleaner suitable for use in most general industrial environments.

- Emulsifies the oil and grease to allow removal by hosing or wiping
- Safe on metal, paint and most plastics
- Free from chlorinated solvents
- Available as an aerosol or bulk fluid

DESCRIPTION	PART CODE	SIZE
Spray	34011	300ml
Fluid	34014	5L



SCRUBS®

Highly effective, waterless, hand-cleaning wipe

The citrus-based formula in Scrubs is combined with a tough, textured towel to loosen, dissolve and absorb dirt and grease leaving your hands truly clean.

- One side of the towel is textured for heavy duty cleaning
- Will not transfer soil back onto hands
- One step cleaning process
- Conditions & softens hands
- Tough durable bucket that is light & portable

PART CODE	SIZE
34100	72 Tub



REAMING, TAPPING & DRILLING

RTD® is the world leading hand applied lubricant for Reaming, Tapping & Drilling operations. The RTD range contains technically advanced extreme pressure additives which reduce friction at the cutting edge.

RTD significantly extends the tool life, providing cost saving benefits. The additives also give superior surface finish to the work piece, reducing waste and scrap. As part of an ongoing development programme, RTD technology remains at the forefront in cutting performance. RTD has been successfully serving industry for nearly 60 years, bringing cost savings and performance to a wide cross section of industries.

RTD lubricants are formulated to:

- Double tool life
- Reduce wear & tap breakages
- Promote excellent surface finish
- Increase rates of metal removal
- Minimise waste and scrap
- Multi metal compatibility



RTD Liquid

Metal cutting liquid which doubles tool life

- Ultimate cutting performance
- Flows to the cutting edge
- Suitable for the most severe cutting operations
- Available in a plastic squeeze bottle for easy application

PART CODE	SIZE
53072	400g
53076	5L
53078	20L



RTD Compound

Metal cutting compound which doubles tool life

- Suitable for the most severe cutting operations
- Soft low melting-point paste
- Formulated to cling to the tool providing excellent cutting performance
- Application by brush – economical in use
- Rolls Royce approved - Spec CSS 137
- NATO stock number: 464-6766

PART CODE	SIZE
53020	50g
53023	500g
53026	5kg
53028	18kg



RTD Spray

Metal cutting lubricant which doubles tool life

- Suitable for the most severe cutting operations
- Ideal for use where accessibility is a problem
- Can be applied directly to moving tools
- NATO stock number: 541-7134

PART CODE	SIZE
53011	400ml



SLIP PREVENTION

ROCOL® offers a broad range of anti-slip products, reducing the risk of slips, trips and falls.

SAFE STEP®

Much of the technology employed in the manufacture of SAFE STEP anti-slip products was originally developed for use on the flight decks of Navy aircraft carriers. The coating has been tested to withstand a minimum of 15,000 high impact landings from an aircraft, weighing 32 tonnes and landing at 175 mph.

SAFE STEP 50

For application in large areas of low pedestrian traffic
e.g. factory floors, garages and storage areas

- Coverage: 20m² per pack (roller applied)
- Resin: Chlorinated rubber / Alkyd Resin
- Drying Time: 6 hours light traffic / 16 hours heavy traffic
- Single component system



DESCRIPTION	PART CODE	SIZE
Grey	43070	5L
Tile Red	43071	5L



SAFE STEP 100

For application in areas of heavy pedestrian traffic
e.g. ramps, steps and work platforms

- Coverage: 3.7m² per pack (roller applied)
- Resin: Styrenated Epoxy Ester
- Drying Time: 12hours light traffic / 72 hours heavy traffic
- Resistant to most oils, acids, alkalis and solvents
- Single component system



DESCRIPTION	PART CODE	SIZE
Grey	43266	5L
Tile Red	43267	5L
Safety Yellow	43277	5L



SAFE STEP 200

For application in areas of heavy vehicular traffic
e.g. fork – lift truck ramps and loading bays

- Coverage: 5m² per pack (roller applied)
- Usable Life: 6 hours
- Curing Times: 24 hours light traffic / 48 hours heavy traffic
- Resistant to most oils, acids, alkalis, grease, oil, salt water and solvents
- Dual component system



DESCRIPTION	PART CODE	SIZE
Grey	43320	5L
Tile Red	43321	5L
Safety Yellow	43322	5L



SAFE STEP 500SF

For application in solvent sensitive areas
e.g. breweries, food processing facilities, hospitals and confined areas

- Coverage: 2.7m² - 4.7m² per pack (roller applied)
- Usable Life: 30-40 minutes at 21°C
- Drying Time: 24 hours light traffic / 48 hours heavy traffic
- Dual component system



DESCRIPTION	PART CODE	SIZE
Grey	43323	5L
Tile Red	43324	5L



SLIP PREVENTION

SAFE STEP® ANTI-SLIP SPRAY

ANTI-SLIP spray is a quick fix anti-slip coating ideal for small areas

- ▶ Transparent
- ▶ Suitable for interior and exterior use
- ▶ Suitable for pedestrian traffic
- ▶ Durability approximately 6 months, dependent on application
- ▶ Coverage: 1.5-2m² per 400ml aerosol
- ▶ Application temperature between 5-30°C

PART CODE	SIZE
45000	400ml



SAFE STEP MATRIX™

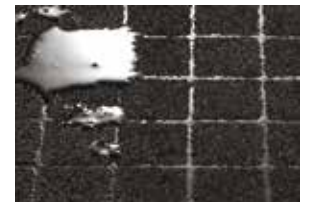
Immediate anti-slip solution

The unique, patented grid design of SAFE STEP MATRIX enables both panels and treads to be cut quickly and easily on site to suit any particular layout.

Typical Applications:

- ▶ Slippery surfaces
- ▶ Ramps
- ▶ Workstations
- ▶ Walkways
- ▶ Stairs and steps
- ▶ Open mesh catwalks
- ▶ Chequer plate

SAFE STEP MATRIX is available as flat panels for flooring or treads for steps. It is also available in two colours, black and yellow



SIZE	COLOUR	PART CODE
1150mm x 750mm	Black	43300
1150mm x 750mm	Yellow	43302
280mm x 1200mm	Black	43306
280mm x 1200mm	Yellow	43308

BIODEGRADABLE LUBRICANT FOR WIRE ROPES & ROV UMBILICALS

BIOGEN WIRE SHIELD®

NO COMPROMISE ON PERFORMANCE

- Outstanding corrosion protection
- Advanced Pseudoplastic Rheology
- Ideal for use at extreme operating temperatures: -50°C to +180°C
- Highly resistant to water wash-off
- Excellent lubrication properties

NO COMPROMISE ON THE ENVIRONMENT

- Environmentally Acceptable **VGP** Compliant Lubricant
- Biodegradable
- Non-bioaccumulative
- Minimally Toxic
- No Sheen



Buy **BIOGEN WIRESHIELD** now

Pail	Drum
Part Code: 20064	Part Code: 20069
Size: 18kg	Size: 160kg



ROCOL

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