



Wire Rope Manufacturing Lubricants

*LUBRICANTS.
TECHNOLOGY.
PEOPLE.*





WIRE **ROPE** LUBRICANTS

FUCHS is committed to developing its product portfolio through our investment in R&D to produce high quality lubricants delivered to our customers with the support of a first class customer services team and logistics infrastructure.

Our dedicated wire rope lubricant manufacturing plant produces specialist products, which have consistent physical characteristics across batches. Our products protect each strand from corrosion minimising metal-to-metal contact thereby optimising rope life.



LUBRICANTS

We have a wide range of lubricants for the wire rope industry for industries including elevators, mining, drilling and cranes. Our products help preserve and lubricate wire ropes and the individual strands within each wire. By choosing a suitable wire rope lubricant, users can benefit from a 200% increase in fatigue life compared with a non-lubricated wire rope.



QUALITY

It is critical that the product performance is consistent across each and every batch that is produced which is why we have strict QC procedures. We carry out a number of Quality Control (QC) tests at our plant including penetration, drop point IP371, and viscosity. We also conducted elemental analysis by ICP (Inductively Coupled Plasma) Spectroscopy to detect metal elements present in raw materials or finished product. This technique ensures that the correct additive levels are present within a defined range.

At FUCHS, we also conduct FTIR (Fourier Transform Infrared Spectroscopy) testing which produces an IR absorption plot that can be used to check that there are no unknown materials present in the batch sample.



RESEARCH & DEVELOPMENT

The FUCHS Group has a very strong focus on R&D with more than 400 chemists, engineers and specialists in more than 40 laboratories worldwide. The UK labs are extremely well equipped and audited to the highest levels, having state-of-the-art equipment and highly trained staff with extensive technology and application knowledge.

Regular dialogue with OEMs, other industry bodies and component suppliers maintains technical advantages. Our continued investment in R&D ensures that we are at the forefront of lubricant technology, which is demonstrated by the fact that products developed within the last 5 years generate 70% of sales.



BUSINESS SUPPORT

Product and technical support services are provided as part of FUCHS' business support solutions. We have a UK based customer services team, experienced technical engineers and provide customers with a tailored support programme to meet their requirements.

We can also provide customers with training in product storage, handling and distribution, collection of lubricants and analysis as well as a 'principles of lubricant' education programme.



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THE FUCHS GROUP

FUCHS is the world's largest independent lubricant manufacturer in the world. The Group comprises of 55 operating companies with 34 production plants worldwide.

In addition to products developed for industry in the UK, we have access to over 2,500 industrial FUCHS products from within The Group. Customers have available FUCHS technical expertise and experience on a global scale, providing access to international fluid technology.

UK GROUP PROFILE

The headquarters of the UK subsidiary of the FUCHS Group is located in Stoke-on-Trent. Our modern, highly automated production plant ensures we can offer exceptional levels of service and delivery. FUCHS has over 100 years' experience of supplying lubricants within the UK. We have demonstrated excellent performance in all aspects of lubricant supply including lubricant quality, timely supply and health and safety compliance.

Our UK manufacturing site is audited to the highest levels and we have been awarded a wide range of quality standards including BS OHSAS 18001, AS9100 REV C, and BS EN ISO 14001.

MANUFACTURING EXCELLENCE

Our production plant is the most modern and efficient lubricant blending facility in the UK, with state of the art process control and quality management systems. The FUCHS engineering team undertakes a continuous improvement programme to maximise and improve production efficiency even further.

Our commitment, as a leading supplier to the wire rope industry, was confirmed by our significant investment in a dedicated wire rope lubricant manufacturing facility. Our highly flexible plant products products for stranding and closing operations for supply into a diverse range of sectors.

EXPERIENCE YOU CAN TRUST

Lubricant suppliers are common, but lubricant suppliers with the expertise, service support and experience of FUCHS in the wire rope industry are limited. In choosing a partner, you need confidence in their ability to understand the requirements of the pharmaceutical industry, and have the technology, intellect and support services to deliver. FUCHS is that partner.



FUCHS MANUFACTURING PLANTS

- Argentina – Buenos Aires
- Australia – Melbourne, Newcastle
- Belgium – Huizingen
- Brazil – Jandira, Sao Paulo
- Canada – Cambridge, Ontario
- China – Shanghai, Yingkou
- France – Nanterre
- Germany – Mannheim, Kiel, Duisburg, Bremen & Kaiserslautern
- India – Navi Mumbai
- Indonesia – Bekasi, Italy – Buttigliera
- Japan – Chiba-Ken
- Korea – Ulsan
- Malaysia – Sha Alam
- Mexico – Queretaro
- Poland - Gliwice
- Portugal – Moreira
- Russia – Yaroslavl
- Saudi Arabia – Jeddah
- Singapore
- South Africa – Isando
- Spain – Barcelona
- Switzerland – Langenthal
- Thailand - Bangkok
- Turkey – Izmir
- UK – Stoke-on-Trent
- USA – Harvey & Kansas

WIRE **ROPE** LUBRICANT **MANUFACTURING** OPERATIONS



LOCATION	MANUFACTURING VESSELS
United Kingdom	3x 12 tonne
USA	2x 19 tonne, 1x 18 tonne, 3x 6 tonne
China	1x 15 tonne, 1x 1 tonne
South Africa	1x 7 tonne, 1x 5 tonne, 1x 1.5 tonne

APPLICATION GUIDE

Product	1	2	3	4	5	6	7	8	9
Anticorit WRC PJ 206	Primary	Other Use			Primary	Other Use		Other Use	
Anticorit WRC PJ 239				Primary	Other Use			Primary	Other Use
Anticorit WRC PJ 202		Primary						Primary	
Anticorit WRC PJ 207				Other Use					Primary
Anticorit WRC PJ 238				Primary	Other Use				Other Use
Anticorit WRC PJ 204			Primary						
Anticorit WRC PJ 221			Primary						
Anticorit WRC PJ 33						Primary			
Renolit Aqua 2							Primary		

Key

- 1 Elevators
- 2 Surface Mining
- 3 Mining*
- 4 Drilling*
- 5 Fishing
- 6 GP-Engineering
- 7 Construction**
- 8 Cranes
- 9 Offshore

- Primary intended use
- Other Use

* Not for applications requiring compliance with DIN 21258, 4.1 & 4.2

** Pre-cast concrete applications NOT for stay cable bridge tendons

PRODUCT INFORMATION

Product	Drop Point °C	Break Point °C	Salt Water Corrosion Protection
Test Method	IP371	IP80	ASTM B117
Anticorit WRC PJ 206	80	-40	
Anticorit WRC PJ 239	105	-52	>2000 hours
Anticorit WRC PJ 202	100	-55	
Anticorit WRC PJ 207	85	-30	>2000 hours
Anticorit WRC PJ 238	105	-51	>2000 hours
Anticorit WRC PJ 204	105	-35	
Anticorit WRC PJ 221	65	-35	
Anticorit WRC PJ 33	65	-30	

Product	Drop Point °C	DIN Classification	Dynamic anti-rust - 5% NaCl Soln.
Test Method	ISO2176	DIN 51 825	IP220 (Mod)
Renolit Aqua 2	140	K 2 E-30	0.0 max

FOR ALL **WIRE ROPE** **LUBRICANT ENQUIRIES**

Please get in touch with our speciality lubricants division:

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Information contained in this brochure was correct at the time this publication was printed. Please be aware that this information may change due to continual product development within this field.

Always read the Safety Data Sheet before handling a product.

Website: www.fuchs.com/uk



**Lubricants for
challenging environments**



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The most suitable Wire Rope manufacturing Lubricant should be selected after consulting with the equipment manufacturer, the operator, manufacturers of ancillary equipment and the lubricant manufacturer.

A comprehensive consultation should precede any lubricant change, so that the optimal lubricant can be selected for the application.

Always read the Safety Data Sheet before handling a product.

Innovative lubricants need experienced application engineers

Every lubricant change should be preceded by expert consultation on the application in question. Only then can the best lubricant system be selected. Our Wire Rope Lubricant Team will be glad to advise on the right lubrication for each application as well as the support services we can offer.



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