

WIRESHIELD™

Pseudoplastic wire rope dressing

Product Overview

ROCOL® WIRESHIELD is a high performance wire rope lubricant featuring advanced pseudoplastic rheology.

ROCOL WIRESHIELD initially appears to be a translucent amber gel, however, it is designed to immediately transform into a fluid consistency under shear to aid complete penetration into the core of the rope.

When the shearing stops the ROCOL WIRESHIELD stiffens back to a grease consistency on standing. This transformation ensures that the lubricant resists dripping or throw off.

Features and Benefits

- ROCOL WIRESHIELD has a wide temperature range -30°C to +100°C.
- ROCOL WIRESHIELD has excellent lubricating properties which reduces wear on wires and strands, ultimately maximising service life.
- ROCOL WIRESHIELD offers outstanding corrosion protection and is highly resistant to water wash-off.
- The thin, non-tacky film of ROCOL WIRESHIELD prevents build up of dust and dirt.
- Operators report that ROCOL WIRESHIELD™ is clean and pleasant to use.
- The translucent film of ROCOL WIRESHIELD allows easier and more effective rope inspection.
- ROCOL WIRESHIELD does not drip or fling off due to the pseudoplastic rheology.

Directions for Storage and Use

- ROCOL WIRESHIELD should be stored in its unopened original container.
- The storage temperature of ROCOL WIRESHIELD should be controlled to between +1°C and +40°C.
- If ROCOL WIRESHIELD is stored in accordance with the above guidelines, shelf life is 4 years from date of manufacture.
- Application of ROCOL WIRESHIELD can be made by using a brush, swab or automatic lubricator.
- The minimum application temperature for ROCOL WIRESHIELD is 0°C.
- For best results apply ROCOL WIRESHIELD to clean, dry ropes.
- Approximate rope coverage, based on a 25mm diameter rope, is 50 metres per kg.

Typical Applications

ROCOL WIRESHIELD is designed for use on ropes operating in arduous environmental conditions on equipment such as hoists, drag lines, cranes and ships.

Pack Sizes

Pack Size	Part Code
18kg	20054
160kg	20058

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Property	Test Method	Result
Appearance	Visual	Soft amber grease
Base Fluid Type	N/A	Highly refined mineral oil
Thickener	N/A	Proprietary
Base Fluid Viscosity at 40°C	IP71	105cSt
Brookfield Viscosity at 25°C, 0.5 rpm	N/A	500,000cPs
Salt Spray Corrosion Protection	ASTM B-117	>4000 hours
4-Ball Weld Load	IP239	280kg

Values quoted above are typical and do not constitute a specification.

Safety Data Sheets

Safety data sheets are available for download from our website www.rocol.com or may be obtained from your usual ROCOL contact.

The information in this publication is based on our experience and reports from customers. There are many factors outside our control or knowledge which affect the use and performance of our products, for which reason it is given without responsibility.

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