

WIRESHIELD™ Fluid

Pseudoplastic wire rope dressing

Product Overview

ROCOL® WIRESHIELD Fluid is a solvent containing, liquid version of WIRESHIELD designed for spray application. Once applied the solvent evaporates leaving behind the WIRESHIELD film.

After solvent evaporation the applied film of WIRESHIELD Fluid leaves a translucent amber gel designed to transform into a fluid consistency under shear and then stiffen back to a grease consistency on standing. This transformation eases application and improves penetration to the rope core.

Features and Benefits

- Temperature range (after solvent evaporation) -30°C to +100°C.
- The excellent lubrication properties of WIRESHIELD Fluid reduce the wear on wires and strands, maximising service life.
- WIRESHIELD Fluid provides outstanding corrosion protection.
- WIRESHIELD Fluid is highly resistant to water wash-off.
- Thin, non-tacky film prevents build up of dust and dirt.
- WIRESHIELD Fluid is clean and pleasant to use.
- Translucent film allows easier and more effective rope inspection.
- The resultant film of WIRESHIELD does not drip or fling off due to the pseudoplastic rheology.

Directions for Storage and Use

- Product should be stored in its unopened original container.
- Flammable Product – avoid sources of ignition.
- Storage temperature should be controlled to between +1°C and +30°C.
- If stored in accordance with the above guidelines, shelf life is 3 years from date of manufacture.
- Agitate before use.
- Designed for application by pressure spray equipment although other methods such as brush, swab or immersion of the rope are also possible.
- Minimum recommended application temperature 0°C.
- For best results apply to clean, dry ropes.
- Approximate rope coverage 50 metres per litre (based on a 25mm diameter rope).

Typical Applications

- WIRESHIELD Fluid 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
20L	20078

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Typical Properties as supplied

Property	Test Method	Result
Appearance	Visual	Hazy amber fluid
Active content	N/A	70%
Solvent type	N/A	Hydrocarbon

Typical Properties of applied film

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.

Issue: 1 Date: 01-11

T +44 (0) 113 232 2600
F +44 (0) 113 232 2740
E customer-service@rocol.com
www.rocol.com

ROCOL House, Swillington, Leeds LS26 8BS

Registered Company No. 559693 VAT No. 742 0531 67
Registered Office: Admiral House, St Leonard's Road, Windsor, Berkshire SL4 3BL

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