

PRODUCT DATA



FAST DRY FILM LUBRICANT

DESCRIPTION

Spectra Dry Film lubricant is an excellent Molybdenum Disulphate extreme Pressure lubricant in a fast drying, quick curing heat resistant resin.

It can be sprayed, dipped or applied by brush to produce durable films with good adhesion to surfaces.

APPLICATION

- Pre-treatment for assembly and running in.
- Lubrication of gears, splined shafts, pivot pins, cams, pistons, screw jacks, toggle joints, coil mechanisms, stainless steel threaded fasteners and hinges.
- Press fitting lubricant for bushes, liners and shafts.
- Dry Lubricant for extrusion of aluminium sections.
- Long life service lubricant for textile and vending machines, computers, business machines, tumbler locks and instruments. In many cases it provides lifetime lubrication for the mechanisms.
- Antiseize for stainless steel threaded fasteners.

BENEFITS

- Requires little or no surface treatment.
- Fast room temperature cure without need for baking or sintering.
- Easy application by brush, spray or dip.
- Excellent adhesion to most substrates especially metals.
- Low coefficient of friction.
- Prevents stick slip
- Halts fretting corrosion on both dynamic and static applications
- High load carrying capacity
- Thin films of 5 microns to 15microns may be used alone or to reinforce oil, or grease lubrication systems.

AVAILABLE FROM



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PHYSICAL PROPERTIES

Lubricant:	Molybdenum Disulphide
Binder:	Thermoplastic resin
Typical Coverage:	12 sq M per Kg @ 10 microns coating
Maximum Service Temp:	Continuous: 340°C after run in. Intermittent: 400 °C after run in
Fuel and Oil resistance:	Good

METHOD OF USE

- **SURFACE PREPARATION:** Substrates must be clean and dry. A solvent wipe or vapour degreasing followed by air drying is usually sufficient. Grit blasting phosphating or chemical etching improves adhesion and wear properties.
- **MIXING AND DILUTION:** Stir the concentrate thoroughly before dilution. The dilution ratio and diluent for each application should be determined by small scale testing. Specific recommendations will be provided upon request.
- **APPLICATION:** Application by spray gun using an externally atomizing spray gun with a nozzle diameter of 0.8 to 1.5 micron and air pressure of 2-3 bar. Brushing, dipping or aerosol are alternative methods of application.
- **CURING:** Coatings air dry in 5-10 minutes depending on the type of diluent used. Maximum coating hardness is achieved after approximately 4 hours at room temperature. Alternatively curing can be accelerated by simply warming or blowing air upon cooled pieces or heating the components to temperature between 80 °C and 100 °C for 10 minutes

PRECAUTIONS

Storage – 24 Months from date of manufacture

PACKAGING

400ML

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