



JETEXINDIA

JETEX DFC-78M

Air Drying Friction Coating

Technical Data Sheet

MoS₂ and solid lubricants based air-drying anti friction coating

Benefits

- Extremely wide service temperature range of -180°C to +450°C
- Low coefficient of friction, high surface load and pressure withstanding capacity
- High and low temperature performance
- Protects surfaces from wear, galling and seizure
- Oil, grease and solvent resistant
- Prevents stick-slip and fretting corrosion
- Provides clean dry film lubrication and does not accumulate dirt or abrasives
- Offers surface protection from corrosion
- Lubricates under adverse operating environments such as in vacuum or near radiation
- Provides maintenance free permanent lubrication where oil or grease contamination cannot be tolerated
- Excellent lubricity and highly abrasion resistant
- Increases service life of equipment

Available Packaging

- 400 ml aerosol spray

Shelf Life

12 months from date of manufacture in sealed condition.

Applications

- As a dry film lubricant for components exposed to abrasive or dusty environments as threaded connections, pins, levers, pivots, splines, bolts, chains.
- As a metal pretreatment lubricant prior to assembly for effective running in to reduce wear, friction and eliminate metal to metal contact and seizure.
- As a lubricant for components exposed to critical environmental conditions as vacuums, radiation, high temperatures, humidity.
- As a heavy duty, high temperature thread compound to prevent seizure and corrosion and facilitate easy assembly and non-destructive disassembly.
- As an anti friction coating for metal cutting tools as millers, reamers, taps, drills, gear cutters, punches, dies to prevent sticking, binding and metal build up; increase life of tools, production quality and efficiency.
- As an extreme pressure lubricant for heavily loaded or stressed surfaces to prevent wear, friction, galling, scuffing, seizure and fretting as for press fits, pins, levers, pivots, bearings, gears, splines, journals, linkages.

Directions for Use

Shake the can vigorously for a couple of minutes before spraying till the bearing noise from inside the container is audible. Repeat before every application. Spray onto a clean, dry and degreased surface. Only a thin film of this lubricant is required. Allow solvents to evaporate. Spray from a distance of 20-30 cms. Repeat if necessary. Excess lubricant may fall off during assembly. For cleaning the valve dip-tube after spraying, invert the can and depress the actuator button for a few short bursts till only the clear propellant comes out.

Caution

Contains flammable solvents and propellant. Do not spray near naked flame, hot surfaces or energized equipment. Use with adequate ventilation.

JETEX INDUSTRIES

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Technical Properties*

Type	Solid lubricants and additives in inorganic binder and solvent
Appearance - as supplied	Thin liquid
- on curing	Dry paint type liquid
Color	Gray black
Odor	Mild solvent
Solvent type	Non chlorinated
Flash point	-18°C (aerosol)
Density, g/cc	0.80-0.90
Service temperature range, °C	-180 to +450 (up to +630 in areas with restricted air access)
Curing period	Air dries to touch in 1 minute at room temperature and completely in 5 minutes
Film thickness, µm	5
Recommended film thickness, µm	5-20
Special properties	Excellent adhesion on all types of surfaces.
Coverage	2-3 m ² /can
Propellant (aerosol only)	Non CFC

* of active ingredients