



JETEXINDIA

# JETEX DFC-78M

## Air Drying Friction Coating

Technical Data Sheet

### MoS<sub>2</sub> 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.

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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 <sup>2</sup> /can
Propellant (aerosol only)	Non CFC

\* of active ingredients