

## MFC - 500 & 800 *(Metal Free Drill Pipe, Collar, Tubing & Casing & Tool Joint Compound)*

### DESCRIPTION

**MFC - 500** is a metal free anti-seize paste based on a combination of micro fine molybdenum disulphide, specially processed graphite and heat resistant inorganic low friction secondary boundary film lubricants in an aluminium complex soap based grease along with additives to prevent degradation from oxidation, rust and corrosion.

**MFC - 800** is a premium grade metal free compound formulated specially for use on tool joints and drill collars in the oil field industry. **MFC - 800** is formulated with pure amorphous synthetic graphite along with high performance minerals and polymeric materials blended in a high drop point, water resistant grease and is particularly suitable for use under adverse operating conditions.

### APPLICATIONS

- **MFC - 500:** As a low friction running-in, metal priming paste for all new or rebuilt mechanical equipment such as gears, sliding bearings, slide ways, joints, sleeves, splines, cams, journal bearings. For use in the oilfield industry as a tool joint and drill collar compound for preventing seizure, galling and ensure easy breakout for all drill collars, drill pipes, tubing's and casings.
- **MFC - 800:** As a lubrication of all sliding metal surfaces to reduce wear, friction and prevent cold-welding of surfaces such as for shafts, bushes, splined shafts, pumps, valves, threaded spindles.
- As an antifriction and anti-wear lubricant for heavily loaded surfaces under slow sliding speeds for preventing cold welding of sliding surfaces under heavy loads.

### PROPERTIES

GRADES	MFC - 500	MFC - 800
Colour	Blue black	Black
Appearance	Smooth Paste	Smooth like grease
Base Oil Type	Synergetic	
NLGI	1 - 1.5	1
Work Penetration	290-320	310-340
Specific Gravity @ 20°C	1.25 - 1.28	1.00 - 1.20
Thickener	Metal Complex	
Flash Point (Base Oil)	> 240°C (464°F)	
Drop Point °C min	> 250°C (482°F) min	
Copper Strip Corrosion	1A	
Oil separation 24 hrs @150°C, %	<3	
Operating range	-54°C to +450°C in air (up to +1316 dry lubrication)	
Brushing ability	Applicable by brush @0 °F	
Four Ball Weld Load Point in kgs	620 pass	

### ADVANTAGES & BENEFITS

- Good oxidation & mechanical stability with excellent high and low temperature stability
- Reduces friction during assembly, prevents cold welding of shoulder / collar joints.
- Prevents galling, seizure and pick up, ensures consistent joint make up and breakout.
- Highly adhesive and sticks to wet surfaces, Soft malleable, pumpable consistency
- Prevents metal-to-metal contact and offers protection from wear and friction.
- Prevents seizure, scoring, galling, fretting corrosion and stick slip.
- Reduces press fitting force required and prevents distortion or misalignment.
- Makes assembly easier, disassembly rapid, nondestructive irrespective of operational period

POWERMAXX LUBE INDIA

Website: [www.powermaxxlube.com](http://www.powermaxxlube.com) Email: [info.powermaxx918@gmail.com](mailto:info.powermaxx918@gmail.com), [info@powermaxxlube.com](mailto:info@powermaxxlube.com)

CONTACT NUMBER: 996748763, 7506973307