

# PRODUCT TECHNICAL INFORMATION

## PRODUCT NAME: ASSEMBLY LUBRICANT 500

ASSEMBLY LUBRICANT 500 is a soft paste with a very high molybdenum disulphide (MoS<sub>2</sub>) content for use as an Assembly, Anti-Seize or Anti-Scuffing compound. ASSEMBLY LUBRICANT 500 is capable of withstanding pressures of up to 100,000 psi. (7,000 kgs/cm<sup>2</sup>) and temperatures of up to 450°C.

ASSEMBLY LUBRICANT 500 can also provide excellent long lasting lubrication for sliding surfaces and can be used as a pre-treatment for heavily loaded plain bearings.

At higher temperatures ASSEMBLY LUBRICANT 500 provides a bonded film of molybdenum disulphide solid lubricant to metal surfaces.

## COST SAVING BENEFITS

1. Thin film of MoS<sub>2</sub> adheres strongly to separate working surfaces prolonging component life.
2. Prevents premature wear during start up so protecting parts during running in.
3. Lasting dry lubricant for slides and small open gears which does not attract dust.
4. Performs well as a dry lubricant up to 450°C so increasing component life when operating at high temperatures.

## METHOD OF APPLICATION

Apply very sparingly by brush or with a lint-free cloth. (100gms can cover up to 9m<sup>2</sup>). When used as a dry lubricant in dusty environments, burnish ASSEMBLY LUBRICANT 500 onto the metal surface then remove the excess lubricant with a clean cloth. (Due to its high MoS<sub>2</sub> content, Assembly Lubricant 500 is not suitable for rolling element bearings).

## TYPICAL PHYSICAL CHARACTERISTICS

Appearance	Blue/grey paste
Base	Petroleum Jelly
Solid lubricant	Molybdenum disulphide
Solids content	50%
Copper corrosion (IP 112)	1b
Mild steel (mod. IP 112)	Negative
Aluminium (mod. IP 112)	Negative
Shell Four Ball	
Weld load (IP 239)	above 400kg
Mean Hertz load (IP 239)	90
Temperature range (as a dry film)	-70°C to + 450°C



BS EN ISO 9002: 1994  
Certificate No.FM 40035