

# ADF

## (Air Drying Film)

Pure Molybdenum Disulphide in  
an Air Drying, Bonding resinate

### PERFORMANCE:

**MOLYSLIP ADF Air Drying Film** is pure molybdenum disulphide in an air drying, bonding resinate for spray or brush application. It provides lubrication where oils and greases cannot be used, e.g. where there is danger of dust contamination, and is excellent for the pretreatment of parts such as gears and slides before assembly. It is also ideal for the lubrication of small mechanisms.

### PRE-ASSEMBLY TREATMENT:

**MOLYSLIP ADF** is ideal for this purpose. The film prevents scuffing during the initial stages of running-in new components.

After assembly it provides exceptional, long-lasting lubrication which gives a considerable reduction in wear and consequently lengthens the life of a component.

The sub-micron particle size of the molybdenum disulphide used in this product (average 0.4 micron) makes it possible to apply an extremely thin film which will not interfere with normal assembly tolerance.

If components are to be stored before use treatment with **MOLYSLIP ADF** will inhibit corrosion during the indoor storage period and provide immediate lubrication when they are put into use.

### APPLICATION:

**MOLYSLIP ADF** is supplied in aerosols for spray-on application and in tins for brush-on application. The aerosol sprays a film that dries completely in a few minutes and parts treated can be handled without fear of disturbing the layer of molybdenum disulphide. The aerosol spray is particularly suitable for lubricating inaccessible or intricate parts.

When applied with a brush the film thickness is greater and the drying time increases. Such applications should therefore be confined to uses where quick drying is not essential, tolerances are less critical and parts easily accessible. Alternatively, parts can be dipped.

A further and considerable improvement in lubricity, particularly where parts are subject to extreme pressure, can be effected by appropriate pre-treatment. Normal steels may be phosphated and stainless steels can be fine grit blasted or treated chemically to produce a surface bloom. The objective in all instances is to produce a micronic roughness on the surface to which **MOLYSLIP ADF** can key, thus forming a surface reservoir of lubricant which will last throughout the bedding-in period.

It is essential that all parts are thoroughly clean and free from oil when **MOLYSLIP ADF** is applied to ensure a good bond.

### TECHNICAL DATA:

Specific Gravity at 15/C	Bulk	1.650
	Aerosol	1.610
Pour Point (Cold Test)		-22/C
Boiling Point		121°C
Operating Temperature		up to 280°C

### PACKAGING:

300 ml	aerosols
5 litre	cans