

WATER-BASED DRY FILM WITH MOLYBDENUM FOR HIGH TEMPERATURES

XL-2359 has been carefully formulated to function as a high-temperature lubricant suitable for use on metal forging and mold release applications where a tenacious lubricant film is needed.

XL-2359 is a colloidal dispersion of extremely fine sub-micron molybdenum in a water-based carrier that dries to form an electrically conductive adherent film on virtually all surfaces, including glass and flexible materials.

XL-2359 remains stable at service temperatures of 316°C/600°F and at intermittent temperatures of 1200°C/2200°F.

Advantages:

- Environmentally friendly
- Non-flammable
- Non-oxidizing
- Non-toxic (when dry)

PHYSICAL PROPERTIES	
XL-2359 (as supplied)	
Lubricant:	Sub-micron molybdenum
Fluid Component:	Water
Diluents:	Water
Colour:	Dark Grey
XL-2359 (when cured)	
Coefficient of Friction:	0.23 static
Film thickness (mm):	0.008 – 0.013

Surface preparation:

Surface should be thoroughly cleaned and dried prior to application of **XL-2359** in order to ensure the greatest film stability. Sanding will improve adhesion.

Dilution:

XL-2359 must be diluted with soft, distilled, or demineralized water to bring the product to the desired consistency. The water must be added to the **XL-2359**, and NOT THE REVERSE. Add water to solution while mixing.

Method of application:

XL-2359 should be applied by brush or sprayer directly on to the metal surface. **XL-2359** dries in approximately 20 minutes. If surface temperatures are over 100°C the water portion of **XL-2359** will evaporate quickly leaving a fine film of molybdenum.

MIX WELL BEFORE USING

**STORE AT ROOM TEMPERATURE
KEEP FROM FREEZING**



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