



## Industry Uses:



- Industrial
- Aerospace
- Automotive
- Medical
- Nuclear Energy

### Industry Specifications:

- AS 1701
- AS 5272
- AS 5528
- MIL-L-46010
- MIL-L-46147
- MIL-PRF-46010
- MIL-PRF-46147

### Coating Thickness:

Typically application-specific but is often in the range of 0.0002 to 0.001 inches per surface.

### Substrate Compatibility:

Ferrous and non-ferrous metals, rubber, and glass, provided proper surface preparation is followed.

### Dry Film Lubricants Solve Problems Such As:

- Sliding wear
- Excellent corrosion resistance
- Galling & seizing components
- High operating temperatures due to excess friction
- Inefficient mold release/mold flow
- Component failure that leads to downtime and costly repairs

## Dry Film Lubrication

Dry Film Lubrication, also known as Solid Film Lubrication (SFL) or Anti-Gall, uses a dry substance or coating to reduce friction between two surfaces. This low coefficient of friction (0.04), makes them ideal for applications that need extended wear resistance, have marginal, or no lubrication options.

Dry Film can help minimize wear and tear while also increasing efficiency in a mechanical system. It is commonly used in applications where high heats can break down conventional lubricants such as oil or grease, and for assemblies which may be stored for long periods in non-climate controlled warehouses – yet will still meet form, fit, and function of a newly coated component.



### Dry lubrication is often utilized in situations where wet lubricants can't be used:

- Extreme high and low temperatures where other lubricants may freeze or degrade
- Where extreme contact pressures and high loads exceed capacities of ordinary liquid lubricants
- In chemical conditions where an unreactive coating is essential
- In a system where attracting any debris or particulates may be detrimental, such as a medical application or a food processing environment
- When additional lubrication is needed for startup conditions
- In vacuum environments, such as aerospace applications

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