

THE THERMAL-LUBE

MEDIUM DRYING NON- FLAMMABLE DRY-FILM LUBRICANT WITH GRAPHITE

XL2352

July 2022

XL2352 is a solvent-dispersed colloidal graphite that quickly air dries and completely cures in <30 minutes.

XL2352 penetrates and adheres tenaciously to most metallic substrates with minimal surface pretreatment and preparation. Although this procedure is adequate with most applications, to achieve maximum corrosion and rust resistance, surfaces should be thoroughly cleaned and sandblasted prior to application.

Once dry, **XL2352** forms an exceptionally stable, rust/corrosion resistant, and tough micro-graphite coating highly resistive to temperature fluctuations from -60°C to 400°C.

Because of its excellent adhesion to metallic surfaces and dry film consistency, **XL2352** reduces potential environmental problems caused by conventional lubricating greases due to water wash-off from rain and snow, and product melting from exposure to the sun.

XL2352 offers:

- Thin opaque film
- High lubricity
- Lubricates at temperature extremes
- Excellent adhesion
- Good electrical conductivity
- Excellent rust and corrosion resistance
- Room temperature curing
- Prevents galling, fretting & seizing
- Long lasting
- Will not plug application equipment

PHYSICAL PROPERTIES	
XL2352 (as supplied)	
Lubricant	Colloidal graphite
Binder	Thermoplastic resin
Fluid Component	TCE
Diluents	Petroleum naphtha
Colour	Gray/Black
Flash Point	None
XL2352 (when cured)	
Coefficient of Friction	0.167 static
Service Temperature (°C)	-60 to 400
Intermittent Temperature (°C)	-80 to 550

DILUTION:

XL2352 is volatile in nature and may evaporate during storage. Preparation involves mild agitation and dilution (if required) to the consistency required for the application method chosen.

APPLICATION:

Can be applied by spray, brush, dip, or roller methods. Always agitate thoroughly prior to use.

CURING:

Coating air dries to touch in less than ten minutes under normal ambient conditions. Full cure properties develop in approximately thirty minutes depending on the film thickness.

**FLAMMABLE LIQUID
MIX WELL BEFORE USE**



255 Ave Labrosse, Pointe-Claire, Québec, Canada H9R 1A3

T: +1.514.694.5823; www.thermal-lube.com

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