

## TECHNICAL DATA SHEET

### PEOX Paste

#### Antifriction Coating / Dry Film Lubricant

#### Description

PEOX Paste is a water-based paste which does not require re-dispersion by mixing after storage or standing. The paste consistency may allow easier application on certain parts, such as vehicle headliner or trim fastener clips, and the relatively high concentration of active ingredients forms a thicker lubricant film. This may allow a more robust film when exposed to higher contact pressures. Upon application, it air-dries and then air-cures (cross-links) over time to form an almost invisible, non-migrating, water-resistant semi-continuous coating or strongly-adhering dry film lubricant, depending on the composition and flexibility of the application surface. Also available formulated with a UV tracer.

#### Applications

PEOX Paste works well (as a dry film lubricant) when applied to non-polar plastics such as polyethylene (PE) and polypropylene (PP), and the paste consistency can be helpful if parts need to be assembled before drying time is complete. It can also be applied to visible, flexible, elastic surfaces such as leather, artificial leather, vinyl, or soft plastics. Please refer to the LIP Product Selection Guide.

#### Properties

Property	Typical Value	Conditions
Product Form	Paste	
Solids	34.6%	
Apparent Viscosity	18,540cP	25°C and 30 sec <sup>-1</sup>
Appearance before application	White	
Density (20°C)	1.01g/ml	ASTM D-1217
Time to Air Dry, thin film	5-20mins*	25°C
Time to Full Cure, thin film	24-48hrs*	25°C
Cured Film Service Temp Range	-40 to 125°C	
Shelf Life from Date of Manufacture	1 year	Unopened, stored between 8 and 30°C

\* Drying times can vary depending on ambient temperature and humidity

#### How To Use

PEOX Paste does not require to be shaken or stirred before use. The product can be applied by brushing, wiping or rolling-on to create a thin film that air-dries within 5-20 minutes. If over-applied, the product can be removed by immediately wiping with a wet cloth. Drying time can be accelerated by gentle application of heat lamps or air dryers (take care to prevent bubbling). The user should experiment with different LIP products and film thicknesses – only 5-10 µm dry film thickness is usually required. Important that any performance testing is not conducted until 48 hours after application if possible.

Note: This is a water-based product so avoid freezing temperatures (before product is applied) and do not apply to bare/unlacquered metal.

#### Packaging Options

- 50gram jar
- 1kg plastic container