

TECHNICAL DATA SHEET

PEOX DF

Antifriction Coating / Dry Film Lubricant

Description

PEOX DF, is a water-based viscous fluid or gel. 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. A popular, multi-purpose product. Also available formulated with a UV tracer.

Applications

Ideal for application to visible, flexible, elastic surfaces such as leather, artificial leather, vinyl, or soft plastics. A classic application is leather seating upholstery rubbing against itself or against hard plastic. However, DF can work very well (as a dry film lubricant) when applied to non-polar plastics such as polyethylene (PE) and polypropylene (PP). The gel consistency can be helpful if parts need to be assembled before drying time is complete. Please refer to the LIP Product Selection Guide.

Properties

Property	Typical Value	Conditions
Product Form	Liquid dispersion	
Solids	30%	
Apparent Viscosity	5,500cP	25°C and 30 sec ⁻¹
Appearance before application	White	
Density (20°C)	1.03g/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 DF 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 but only around 5-10µm of 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

- 30ml wipa pen
- 1kg plastic container