

Slickote®

1680 Miller Ave. Los Angeles, CA 90063

TECHNICAL DATA

Slickote DL 100

Molybdenum Disulfide, Resin Bonded Solid Film Lubricant Coating, Corrosion Resistant
Apply iaw MIL-L-46010E Ty 1

Product Description

Slickote DL 100 is a heat cured molybdenum disulfide, corrosion resistant-resin bonded solid film lubricant coating.

Intended Uses

To reduce wear, corrosion, prevent galling and seizure of metals.

Where conventional lubricants are difficult to apply or retain, or where other lubricants may be easily contaminated with dirt or dust.

For sliding motion applications such as plain and spherical bearings, flap tracks, hinges, threads and cam surfaces.

Where temperature ranges are from -68 deg C to 204 deg C (-90 deg F to 400 deg F),
Intermittent exposure to 260 deg C (500 deg F).

When mechanisms are operated at infrequent intervals or are lubricated for life of the part.

Where long term corrosion protection is required under static conditions.

Where solvent resistance is required.

Where extremely heavy loaded lubrication is required including initial start up of heavy loaded mechanisms designed for fluid lubrication.

As touch up to worn surfaces previously coated with a solid film lubricant.

Application Procedure

Metal Preparation: All surfaces must be thoroughly cleaned, degreased, and free of rust, oxides or other surface impurities. Recommended pretreatments:

Aluminum – anodize iaw Mil-A-8625 type 1, 2 or 3 (class 1- non dyed)

Steel – abrasive clean (180 to 220 grit aluminum oxide) and phosphate coat iaw DOD-P-16232 type M or Z, class 3

Stainless Steel – abrasive clean (120 grit aluminum oxide) and passivate AMS QQ-P-35

Titanium – abrasive clean (180 to 220 grit aluminum oxide) and alkaline anodize

- 1) Mix well before use, mechanical paint shaker preferred
- 2) RTA-use as is (for Concentrate- 1 part Slickote Reducer or acetone- to 1 part concentrate)
- 3) Apply with spray gun , (dip coat- use concentrate). Use constant mixing pot for best results
Thickness: .008 to .013 mm (.0002 to .0005 inch) (0.2 to 0.5 mill)
- 4) Air dry 30 min then heat cure, 300 deg F for 1 hour (add apx 5 min for parts to come to temp)
- 5) Verify pretreatment and cure using- tape adhesion and solvent rub test.

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Physical Properties

Color: Grey
Dilution: RTA-Ready to Apply -use as is. Concentrate- reduce 1:1 Slickote Reducer or acetone
Wt/Gal 7.7 Lbs/gal (Concentrate: 9.7 Lbs/gal)
App.temp: Ambient (< 90 degF)
Cure: Air dry for 30 min then cure at 150 deg C (300 dg F) for 1 Hour
Shelf Life: 1 year from date of manufacture
Storage: Store in closed container. Store between 32 deg F and 75 deg F
VOC: RTA: 742 g/l or 6.19 lbs/gal (Concentrate: 690 g/l) (AQMD Rule 1124)
Solids: >23.0% (Concentrate >40%)

Do not use in food processing or handling equipment or surfaces with food contact. Use only in well ventilated area or hood where no flames or other ignition sources are present.

NOTE: Mil-PRF-46010E has been superseded by Mil-PRF-46010H (water base). This product is for commercial use only.