

TECHNICAL DATA

PPSRBNG

Perma-Slik® RBNG Solid Film Lubricant

Product Description

- Air dries to the touch in 30 seconds; fully cured in 24 hours.
- Solvent base, inorganic resin binder.
- Contains boron nitride and graphite.
- Remains stable and lubricates effectively in such extreme environments as radiation and high temperatures.
- Resistant to hard fluids.
- Available in quart, gallon, and 5 gallon containers.

Suggested Uses

- Cutting tools: prevents metal build-up, increasing wear life, eliminates galling, seizing and sticking.
- Threaded connections: prevents galling, seizing, and fretting.
- In a vacuum, near radiation, in extreme temperatures: as a run-in lubricant.
- For metal forming: for both hot and cold forming; very effective in oxide pick-up when applied to extrusion dies.
- High temperature release coating or sintered metal forming and similar release application.

Recommended Application Procedures:

Application Methods	Brush, dip, dip/spin or spray
Dilution Ratio:	
Brush, dip, or dip/spin	No dilution to 1:1 (product:solvent)
Spray	1:1 to 1:2 (product:solvent)
Dilution and Clean-up Solvent	RAC solvent, 80:20 ethyl acetate:n-butyl acetate or ethyl acetate. Solvents must be reagent or urethane grade.
Dry film thickness:	0.2 to 0.6 mils (5 to 15 microns)
Cure:	Dries to the touch in minutes at 75°F to 80°F (24°C to 26°C) fully cures in 1 to 4 hours depending on temperature and humidity.

NOTE: This product is a moisture cure coating. Oven curing will not accelerate curing. Avoid water contamination in the solvents as it will cause the binder to react (cure) thus reducing the performance of the system.

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Refer to Technical Data Sheet 3000-A for complete application instructions

Typical Physical Properties

Color:	Gray/Black
Operating Temperature Range:	-325°F to 2000°F
Binder:	Inorganic
Density	8.2 lbs. / gallon (984 grams/liter)
Average coverage*:	380 sq.ft. per gallon @ 0.5 mils
Flash Point:	26°F (T.C.C)
Volatile Organic Compound:	720 gms/ltr (6 lbs/gal)
Shelf Life:	1 year from date of shipment in a factory sealed container at 40°F to 90°F (4°C to 32°C)

Typical Mechanical Properties

Fluid Resistance (ASTM D2510, Method C):

Skydrol 500A	Pass
Water	Pass
JP-4 jet fuel	Pass
1,1,1 Trichloroethane	Pass
Reagent water	Pass
DC-550	Pass
MIL-L-2104	Pass
MIL-H-8446	Pass
MIL-A-8243	Pass

*Based upon 100% recovery and s cure coating thickness of 0.0010 inch.

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