Everlube® Products Division

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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 guart, 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 tot 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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Perma-Slik RBNG

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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 Pass Reagent water DC-550 Pass MIL-L-2104 **Pass** MIL-H-8446 **Pass Pass** MIL-A-8243

/kr:8/16/00

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