

MOSILBOND - 321

Bonded Lubricant

This is a suspension of microsize Molybdenum Disulphide in a binder solvent system of resinous nature to achieve a bonded lubricating film over various surfaces. It does not require oven curing thereby reducing the process cost for the use of the coating. The air cured coating is resistant to most of the solvents, petrol, diesel etc.

BENEFITS

- ➔ Flexible coating convenience
- ➔ Antiseize Protection of threaded joints and flanges operating at high temperatures.
- ➔ Operates under extremes of temperatures.
- ➔ Reduces maintenance downtime.
- ➔ Provides dry lubricant film.

PACKING: 5 Ltr J Can, 20 Ltr Pail

Owing to evolving packaging solutions, user is requested to kindly check the availability of a specific pack size prior to standardization.



CHARACTERISTICS

TYPICAL VALUES

1. Colour (Visual)	Dark Grey
2. Binder	Organic
3. Temperature Range	-70°C to + 180°C
4. Density @ 15° C	0.9 ± 0.1
5. Drying Time	Approx 5 minutes @ room temperature
6. Curing Time	Approx. 12 hrs @ room temperature
7. Adhesion	Good, even on relatively smooth surfaces
8. Coating thickness	3 to 20 microns depending on the number of coats applied.

Material Safety Information required for safe usage of this product may not be included in this product bulletin and may be sought by contacting MOSIL. Users are advised to go through the Material Safety Data Sheet (MSDS) of this product prior to application / usage of this product.

All statements and information contained in this document are based on the laboratory testing and user experience on actual applications. Owing to the exhaustive possibility of application for which this product may be used and the variety of equipments, performance parameters, environmental conditions and unpredictable human factors, we strongly recommend that this product be tested on the actual application prior to its standardization. All information contained herewith is offered in good faith but without any expressed or implied warranty. This Product Bulletin may already have been revised considering the availability of raw components, legislation, user experience & expectations and enhancement of knowledge of the development team of MOSIL. Users are requested to kindly seek the latest version of this product bulletin by contacting MOSIL. Information provided in this Product Bulletin is based on the generalised expectations and requirements of users. Additional information for this product may also be sought by contacting MOSIL.

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Method of Application

- 1 Attach the spray gun to air connection. Maintain pressure 30psi – 45 psi.
- 2 Clean the components and spray gun by solvent thinner.
- 3 Fill the spray gun cup more than 50% in volume.
- 4 Place the components/MS panel on horizontal position.
- 5 Apply single horizontal coat from a distance of 7 inches and angle at 60 – 80 degree.
- 6 Air cure coating for 25 – 30 minute at room temperature
- 7 After air curing of one side, apply coating to another side.
- 8 Then air cure another side for 25 – 30 minute.
- 9 Before packing or Assembly, cure it at room temperature for 12 – 24 hrs

Remarks

- 1 Avoid excess coat.
- 2 Spray pattern should be uniform.
- 3 Apply cross coat if required.
- 4 To reduce coating thickness, MOSILBOND – 321 can be diluted with SL – X Solvent. Please follow the process below
 - a. Shake well container of MOSILBOND – 321 before use, then transfer the material in required container.
 - b. Add SL- slowly with constant stirring.
 - c. If possible, filter it through fine mesh cloth of 200 mesh.

