

Technical Data Sheet

SLIP Plate® No. 4

Water-Based, Graphite Dry Film Lubricant



Product Description:

SLIP Plate® No. 4 is a water-based alternative to our SLIP Plate® No. 3 sprayable product. This product has been formulated using a proprietary binder system with Superior Graphite Signature® graphite powder, producing an excellent abrasive and corrosion resistant coating. This environmentally friendly formulation works to extend the working life of tools and equipment where slip friction is present, by forming a hard, and very durable dry graphite film when dry. This dry graphite coating also has the ability to conduct heat and electricity.

Advantages:

- Reduced solvent product
- Dry film technology that creates a smooth even surface
- Creates a slick, non-stick surface, ideal for build-up areas
- Reduces mechanical wear and can extend operating life of products
- When properly applied and dry - not affected by temperature extremes
- Will not attract or trap dirt or grit, leading to increased part wear
- Graphite is a natural, environmentally safe mineral lubricant

Limitations:

- Coated surfaces should be allowed to thoroughly dry prior to use.
- Do not use any grease, oil, or other petroleum product on top of this coating, as it will deteriorate the effectiveness of the graphite
- Do not apply by conventional air sprayer – Airless type is acceptable
- Recommended application temperature between 50°F and 100°F.
- Bonding agents and graphite will begin to oxidize at temperatures above 450°F, and this coating is not recommended for high temperature applications

Preparation:

- **Stir material prior to use.** It is important to properly stir the material with a hand stir stick or paint mixer. This allows any graphite and bonding agents that may have settled normally during transportation to be properly mixed. It is normal for the material to settle, and it may take some time to mix by hand. Paint mixers that are attached to a typical drill will speed up this process.
- **Prepare your surface.** The most important part of the coating process is proper surface preparation. Remove any loose debris, mud, loose paint, rust or grit by high pressure water cleaning and/or use of a grinding or wire brush. If there are any residual petroleum or grease lubricants from previous applications, remove with a solvent such as aerosol brake cleaner.

***If it needs to slide, roll, turn, twist, or spin
– it's a job for***



Information provided on this Technical Data Sheet is supplied to indicate the physical and chemical properties of the material. This information is believed to be correct. However, no warranty is made, either expressed or implied regarding the accuracy of the results obtained from the use of this product. Customers are strongly encouraged to test the materials independently prior to application/purchase.

Application:


- **Apply by brush, roller, dipping, or airless spray equipment.** Apply material as you would for any normal paint job. Material when applied by brush should have a film thickness of 2 to 6 mil. When applied by airless spray equipment, the film thickness should be 2 to 5 mil. When applied by roller the film thickness will be 3 to 6 mil.
- **Allow coated surface to dry a minimum of 24 hours between coats.** For extreme wear applications, apply two coats, but it is recommended that the first coating dry at least 24 hours.
- Surface temperature should be 50-100°F (10-37.8°C) at application. **Application of this product to very hot (>300°F) or cold surfaces (<20°F) is not recommended as this will affect the bonding performance of the product. Once dry, the dry film coating will not be affected by temperature extremes.**

Clean-Up Instructions:

Clean up material with soap and water or as you would with typical house-type paint. Material once dry will be very difficult to remove from painting equipment. If removal is required after coating has dried, use of paint thinner, VM&P Naphtha or similar solvent-based cleaner is advised. Note that these chemicals may damage underlying painted surfaces.

Product Characteristics:

Physical Properties	Typical Range
Carrier:	Water
Color:	Dark Grey
Fluid Consistency	Medium to Thick
Measured Viscosity; cps	> 1,500
Bulk Density, LB/Gallon	9.3-10.0
Flash Point,	>200°F (>°C)
Dry Time (tack-free), min	180-240 @ 70°F (21.1°C)
Dry Time (complete), hrs	24 @ 70°F (21.1°C)
Average Application Coverage, ft ² /gallon	250
Effective Temperature Range, (Minimum)	-75°F (-59.4°C)
Effective Temperature Range, (Maximum)	450°F (232.2°C)
Suggested Application Ambient Temperature Range	50 - 100°F (10 – 37.8°C)
Suggested Dilution Ratio	Not Recommended
Suggested Dilutant/Cleaner:	None Recommended
Shelf Life under original seal	12 Months

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Storage and Handling Information:

- DO NOT FREEZE. Product must be stored above 32°F.
- Store away from excessive heat and keep in original packaging.
- Material is black, or silver-gray in some instances, and these color variations are normal. Keep away from light colored clothing.
- Graphite is electrically conductive and may lead to electrical shorts and damage. Please be careful working with this product around electricity or sensitive electrical equipment.

Please consult the **MSDS** for additional information on disposal of unused materials, and safe handling practices.

ORDERING/SHIPPING INFORMATION	
AVAILABLE PACKAGING (product ordering code)	4-1 GA Cans: 336150S 5 GA Pails: 36008
CASE SHIPPING WEIGHT (kilograms)	GA: 41 LB (18.6) PAIL: 48 LB (21.8)

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Plate!

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