



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 product. The formulated product uses a proprietary binder system with Superior Graphite Signature® graphite powder that produces an excellent anti-friction coating. SLIP Plate No. 4 creates a dry graphite surface that does not attract and trap dust, dirt, mud, or grit, as compared with greases and oils. Naturally hydrophobic, it provides lasting protection from rain, snow and mud to help prevent rust and corrosion. This environmentally friendly formulation of SLIP Plate is excellent for reducing wear and extending the operating life of machinery.



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 (>93.33°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

Advantages:

- Reduced solvent product; low VOC (volatile organic compounds)
- Creates a slick, non-stick surface . ideal for build-up areas . that stays slippery regardless of temperature extremes
- Dry film technology creates a smooth, even surface
- Will not attract or trap dirt or grit, reducing wear and extending operating life
- Hydrophobic . Graphite coating is not attracted to rain and snow.
- Graphite is a natural mineral and environmentally safe lubricant



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Preparation & Application:

- **Stir material prior to use.** It is important to properly stir the material with a hand stir stick or paint mixer. It is normal for the material to settle during transportation, and it may take some time to mix by hand. Paint mixers that are attached to a standard 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, paint, rust or grit with a high pressure water cleaner, scraper, or wire brush. Use a solvent such as an aerosol brake cleaner to remove any residual petroleum or grease from previous 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.

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.



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

ORDERING/SHIPPING INFORMATION	
AVAILABLE PACKAGING (product ordering code)	Four-1 Gallon Cans: Part #33615OS Five (5) Gallon Pail: Part #36008
SHIPPING WEIGHT (kilograms)	Four-1 Gallon Cans: 41 LB (18.6) Five (5) Gallon Pail: 48 LB (21.8)