



ESGARD

ESGARD PL-2.1 MIL-PRF-16173E CLASS I GRADE 2

DESCRIPTION	PL-2.1 is an easy removable, soft, thin film preservative. It contains an effective corrosion inhibitor to protect metal surfaces while in manufacturing, storage, or shipping. PL-2 is a listed qualified product under MIL-PRF-16173E CLASS I GRADE 2 (aka: P-2 preservatives).
FIELD APPLICATION	PL-2.1 is intended for extended undercover protection of interior or exterior of surfaces of machinery, instruments, bearings or material with or without use of supplementary barrier materials. PL-2.1 is also used for outdoor protection of material for limited periods where metal temperatures do not reach levels which produce prohibitive flow of the corrosion preventive film.

TECHNICAL DATA

FILM PROPERTIES	Soft, amber rust preventive film
TYPE	Solvent cutback blended oil
DENSITY	7.36 lbs/gal (0.88 kg/l)
FLASH POINT	105°F (40.5°C) PMCC
VOLUME SOLIDS	56%
COVERAGE (Theoretical)	449 sq ft/gal at 2 mils (3.6 mils wet) 11.0 sq m/l at 50 microns (89 microns wet)
VOC	341 g/l (2.84 lbs/gal)
CURE TIME @ 77°F (40°C)	1-2 hours
FINAL FILM	Tacky, oily film

SURFACE PREPARATION	Surfaces should be cleaned free of all dirt, rust, hydrocarbons and other surface contaminants.
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APPLICATION	PL-2.1 is supplied ready-to-use. Agitate well before using as some separation may occur. SPRAY: Use conventional or airless equipment. Tip size should be such to allow for adequate atomization and single coat application. Apply to 3.6 mils (89 microns) final film thickness. Ventilate enclosed areas until solvent/gas free.
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Manufacturer of Quality Protective Coatings
Esgard, Inc. 515 Debonnaire Road Scott, Louisiana 70583 U.S.A.
Office: (337)234-6327 Fax: (337)234-0113 Toll-free: 1-800-888-2511
www.esgard.com

BRUSH: Apply coating to the item via clean, quality paint brush. Take care to apply an amount sufficient to ensure a uniform wet film thickness of 3.6 mils (89 microns). Ventilate enclosed areas until solvent/gas free.

ROLLER: Apply coating to the item via clean, quality roller. Take care to apply an amount sufficient to ensure a uniform wet film thickness of 3.6 mils (89 microns). Ventilate enclosed areas until solvent/gas free.

DIP: Maintain PL-2.1 at 60°F (15°C) or higher. Viscosity increase at lower temperatures will cause excess millage build-up during application.

FILL AND DRAIN: Fill item to be protected with coating, drain out completely, ventilate till gas free and seal. Ventilate enclosed areas until solvent/gas free.

THINNING

DO NOT THIN OR DILUTE. APPLY AS SUPPLIED.

REMOVAL

Esgard Thinner 102, mineral spirits or naphtha. PL-2.1 is compatible with most hydrocarbon lubricants and can also be removed by using hot oil flushes.

CLEAN UP

For equipment use, Esgard Thinner 102, mineral spirits or naphtha. For personal clean up, use soap and water.

POT LIFE

Not applicable.

SHELF LIFE

24 months

CAUTION

FOR INDUSTRIAL USE ONLY! COMBUSTIBLE! Contains petroleum distillates. Do not use or store near heat, sparks, or flames. Close container after use. Good safety practices and common sense should be used. Safe application practices should include the use of respirators, eye protection, adequate lighting and ventilation. Once free of solvent, PL-2.1 will not sustain combustion but caution should be used near flames.

SAFETY

Refer to Safety Data Sheet supplied with each order.

FIRST AID

Refer to Safety Data Sheet supplied with each order.