



ESGARD

ESGARD PL-3.1 MIL-PRF-16173E CLASS I GRADE 3

DESCRIPTION	PL-3.1 is an easily removable, soft, water displacing thin film preservative. It contains an effective corrosion inhibitor to protect metal surfaces while in manufacturing, storage or shipping. PL-3.1 is a listed qualified product under MIL-PRF-16173E CLASS I GRADE 3 (aka P-3 preservatives).
FIELD OF APPLICATION	PL-3.1 is intended for use where water or saline solutions must be displaced from corrodible surfaces and the corrosion prevented or arrested. It is also used for protection of critical bare steel or phosphate surfaces for extended periods when packaged with satisfactory barrier materials

TECHNICAL DATA

FILM PROPERTIES	Soft, amber water displacing rust preventive film
TYPE	Solvent cutback blended oil
DENSITY	7.22 lbs/gal (0.87 kg/l)
FLASH POINT	105°F (40.5°C) PMCC
VOLUME SOLIDS	53%
COVERAGE (Theoretical)	850 sq ft/gal at 1 mil (1.9 mils wet) 20.9 sq m/l at 25 microns (48 microns wet)
VOC	368 gr/l (3.07 lbs/gal)
CURE TIME @ 77°F (40°C)	3 -- 4 hours
FINAL FILM	Tacky, oily film

SURFACE PREPARATION	All surfaces should be cleaned free of all dirt, rust, hydrocarbons and other surface contaminants.
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APPLICATION	PL-3.1 is supplied in ready-to-use form. Agitate well before using as some separation may occur.
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SPRAY: Use conventional or airless equipment. Tip size should be such to allow for adequate atomization and single coat application. Apply to 1.9 mils (48 microns) film thickness. Ventilate enclosed areas until solvent/gas free.

Manufacturers 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



	<p>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 1.9 mils (48 microns). Ventilate enclosed areas until solvent/gas free.</p> <p>ROLLER: Apply coating to the item via clean, quality roller. Take care to apply an amount sufficient to ensure a uniform film thickness of 1.9 mils (48 microns). Ventilate enclosed areas until solvent/gas free.</p> <p>DIP: Maintain PL-3.1 at 60°F (15°C) or higher. Viscosity increase at lower temperatures will cause excess millage build-up during application.</p> <p>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.</p>
THINNING	DO NOT THIN OR DILUTE. APPLY AS SUPPLIED.
REMOVAL	Esgard Thinner 102, mineral spirits or naphtha.
CLEAN UP	For equipment use, Esgard Thinner 102, mineral spirits or naphtha. For personal cleanup, 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-3.1 will not sustain combustion but caution should be use near flames.
SAFETY	Refer to Safety Data Sheet supplied with each order.
FIRST AID	Refer to Safety Data Sheet supplied with each order.

The data contained herein are typical product properties and do not constitute product specifications.

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