



ESGARD

ESGARD PL-5.1 MIL-PRF-16173E CLASS I GRADE 5

DESCRIPTION	PL-5.1 is a hot water, low pressure steam removable thin film preservative. It contains an effective corrosion inhibitor to protect metal surfaces while in manufacturing, storage, or shipping. PL-5.1 is a listed qualified product under MIL-PRF-16173E CLASS I GRADE 5 (aka: P-21 preservatives).
FIELD OF APPLICATION	PL-5.1 is intended for use in place of GRADE 3 (P-3) preservatives on metal(s) such as aluminum and magnesium alloys which may be attacked by an alkaline treatment during the preservative removal stage. PL-5.1 is used where water or saline solutions must be displaced from corrodible surfaces and the corrosion prevented or arrested. It is also used for protection of interior machinery, instruments or material under cover for limited periods and protection of critical bare steel or phosphate surfaces for extended periods when packaged with satisfactory barrier materials.

TECHNICAL DATA

FILM PROPERTIES	Soft, amber, oily water displacing film
TYPE	Solvent cutback blended oil
DENSITY	7.2 lbs/gal (0.87 kg/l)
FLASH POINT	105°F (40.5°C) PMCC
VOLUME SOLIDS	54%
COVERAGE (theoretical)	433 sq ft/gal at 2 mils dry (3.7 mils wet) 10.63 sq m/l at 50 microns dry (93 microns wet)
VOC	365 gr/l (3.05 lbs/gal)
CURE TIME	To touch: 4 Hour. To handle: 24 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-5.1 is supplied in ready-to-use form. Agitate well before using as some separation may occur. 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

SPRAY: Use conventional or airless equipment. Tip size should be such to allow for adequate atomization and single coat application. Apply to 3.7 mils (93 microns) wet film thickness. Ventilate enclosed areas until solvent/gas free.

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 3.7 mils (93 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 3.7 mils (93 microns). Ventilate enclosed areas until solvent/gas free.

DIP: Maintain PL-5.1 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 solvent/gas free and seal.

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 practice and common sense should be used. Safe application practices should include the use of respirators, eye protection, adequate lighting, and ventilation.

SAFETY Refer to Safety Data Sheet supplied with each order.

FIRST AID Refer to Safety Data Sheet supplied with each order.

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