



**ESGARD**

## ESGARD PL-1

<b>DESCRIPTION</b>	PL-1 is an easily removable, hard drying, thin film preservative. It contains an effective corrosion inhibitor to protect metal surfaces while in manufacturing, storage, or shipping. PL-1 is a listed qualified product under MIL-PRF-16173E CLASS II GRADE I (aka: P-1 preservatives).
<b>FIELD OF APPLICATION</b>	PL-1 is intended for use in protection of metals when exposed to outdoor weather conditions and for general purpose preservation, indoor or outdoor, with or without cover, for domestic and overseas shipments where a "dry-to-touch" film is required.

### TECHNICAL DATA

FILM PROPERTIES	Firm, waxy brown rust preventive film
TYPE	VOC compliant, modified wax
DENSITY	9.6 lbs/gal (0.9 kg/l)
FLASH POINT	118°F (47.8°C) PMCC
VOLUME SOLIDS	60%
COVERAGE (Theoretical)	266 sq ft/gal at 4 mils dry (6 mils wet) 6.5 sq m/l at 100 microns dry (150 microns wet)
VOC	310 gr/l (2.6 lbs/gal)
DRY TIME	To touch - 1 hour To handle - 3 hours

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**SURFACE PREPARATION** All surfaces should be cleaned free of all dirt, rust, hydrocarbons and other surface contaminants.

**APPLICATION** PL-1 is supplied in ready-to-use form. 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 6 mils (150 microns) wet film thickness.

**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 6 mils (150 microns).

*Manufacturers of Quality Protective Coatings*  
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[www.esgardcoatings.com](http://www.esgardcoatings.com)

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 6 mils (150 microns).

DIP: Maintain PL-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.

<b>THINNING</b>	DO NOT THIN OR DILUTE. APPLY AS SUPPLIED.
<b>REMOVAL</b>	Esgard Thinner 102, mineral spirits or naphtha.
<b>CLEAN UP</b>	For equipment use, Esgard Thinner 102, mineral spirits or naphtha. For personal cleanup, use soap and water.
<b>POT LIFE</b>	Not applicable
<b>SHELF LIFE</b>	24 months
<b>CAUTION</b>	<b>FOR INDUSTRIAL USE ONLY!</b> 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.
<b>SAFETY</b>	Refer to Material Safety Data Sheet supplied with each order.
<b>FIRST AID</b>	Refer to Material Safety Data Sheet supplied with each order.

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

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