



ESGARD PL-4

DESCRIPTION	PL-4 is an easily removable, transparent, non-tacky thin film preservative. It contains an effective corrosion inhibitor to protect metal surfaces while in manufacturing, storage or shipping. PL-4 is a listed qualified product under MIL-C-16173E GRADE 4, CLASS II (aka: P-19 preservatives).
FIELD OF APPLICATION	PL-4 is intended for general purpose indoor and limited outdoor preservation of corrodible metals with or without an over wrap and where handling, stacking and counting requires a tack-free coating. It is also used where there is no requirement for miscibility and with lubricating oil and where ease of removal with Stoddard's solvent is important.

TECHNICAL DATA

FILM PROPERTIES	Transparent, non-tacky rust preventive film
TYPE	VOC compliant corrosion prevented compound
DENSITY	7.6 lbs/gal (0.91 kg/l)
FLASH POINT	150°F (65.5°C) PMCC
VOLUME SOLIDS	87%
COVERAGE (theoretical)	800 sq ft/gal at 2 mils dry (2.5 mils wet) 19.6 sq m/l at 50 microns dry (62 microns wet)
VOC	99 gr/l (0.83 lbs/gal)
DRY TIME	To touch: 1 Hour To handle: 3 Hours

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

APPLICATION PL-4 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 2.5 mils (62.5 microns) wet film thickness.

BRUSH: Apply coating to the item via clean, quality paint brush. Take care to

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apply an amount sufficient to ensure a uniform wet film thickness of 2.5 mils (62.5 microns).

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 2.5 mils (62.5 microns).

DIP: Maintain PL-4 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 until 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	18 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 practices and common sense should be used. Safe application practices should include the use of respirators, eye protection, adequate lighting and ventilation.
SAFETY	Refer to Material Safety Data Sheet supplied with each order.
FIRST AID	Refer to Material Safety Data Sheet supplied with each order.