



ESGARD PL-5

DESCRIPTION

PL-5 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 is a listed qualified product under MIL-C-16173E GRADE 5, CLASS II (aka: P-21 preservatives).

FIELD OF APPLICATION

PL-5 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 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, water displacing rust preventive film
TYPE	VOC compliant blended oil
DENSITY	7.6 lbs/gal (0.91 kg/l)
FLASH POINT	205°F (96°C) PMCC
VOLUME SOLIDS	98%
COVERAGE (Theoretical)	1600sq ft/gal at 1 mil 39.3 sq m/l at 25 microns
VOC	19 gr/l (0.16 lbs/gal)
DRY TIME	Tacky, oily film

SURFACE PREPARATION

Surfaces should be cleaned free of all dirt, rust, hydrocarbons and other surface contaminants.

APPLICATION

PL-5 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 1 mil (25 microns) wet film thickness.

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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 mil (25 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 1 mil (25 microns).

DIP: Maintain PL-5 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. Also remove via hot water or steam.

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! Although PL-5 is not hazardous, good safety practices and common sense should be used. Safe application practices should include the use of respirators, eye protection, adequate lighting and ventilation. PL-5 will not sustain combustion but caution should be used near flames.

SAFETY

Refer to Material Safety Data Sheet supplied with each order.

FIRST AID

Refer to Material Safety Data Sheet supplied with each order.