



## Ply-Guard AS (EPL)

Ply-Guard AS (EPL) is an extended pot life, two-component polyaspartic (aliphatic polyurea) coating system that allows the installer additional time to work with the material. Ply-Guard AS (EPL) exhibits superior color and gloss retention, excellent abrasion resistance, and can be applied by sprayer or rollers directly to properly prepared concrete or metal surfaces. In addition, Ply-Guard AS (EPL) has very good corrosion, chemical, and UV resistance, and can achieve a uniform coating thickness of 8 mils WFT per coat.

### Key Features

- Extended Curing
- Low-temperature cure (as low as 0°F / -34°C)
- 0 VOC (with exempt solvent)
- Recoat time: 14-16 hours (max. 24)
- Walk-on time: 8-10 hours
- Drive-on time: 72 hours
- Self-priming, excellent penetration and bond strength
- Excellent abrasion, impact, and wear resistance
- Excellent color and gloss retention
- UV-resistant; optical clarity of clear sealer/finish
- Can add micro media agents to improve slip reduction
- Excellent resistance to chemicals and stains
- Skydrol resistant
- Random/incidental heat contact: tolerant to 300°F
- Available in gloss finish

### Uses

#### Concrete Surfaces

- Commercial/Industrial Flooring - Two-coat system consisting of self-priming color primer/sealer or “bed” coat for accepting and wetting decorative flake chips (or other decorative media), followed by clear sealer/finish coat
- Final clear sealer/finish over decorative concrete surfaces such as acid, color or dye stained, semi-polished concrete, polymer-modified cementitious overlayments, or seamless multi-build epoxy/color quartz flooring
- High foot traffic and vehicle/material-handling equipment areas
- UV-resistant sealer/finish coat over safety surfacing systems, outdoor running tracks, swimming pools, and patios

## Technical Bulletin

### Steel Surfaces

- Storage tanks
- Bridges
- Marine (ships, offshore rigs, barges, etc.)
- Railcars
- Pipelines

### Surface Preparation

**Concrete:** Recommended surface profile is SP-2, Reference ICRI Technical Guideline No. 03732. This is best achieved with mechanical grinding machines using diamond heads achieving a final 50 to 120-grit profile.

**Direct-To-Metal:** All steel surfaces should be prepared to SSPC-SP10, Near-White finish with a minimum of 1.0 mil profile.

### Mix Ratio

**Parts by Volume:** 1.0 part Base : 1.0 part Catalyst

**Product Data** (All readings taken at 77°F/25°C, unless noted)

**VOC Content (Lbs./gal.):** 0

**VOC Content (grams/Liter):** 0

**Type of Material:** Polyaspartic (Aliphatic Polyurea)

**Color:** Clear with Standard Color Packs

**Finish:** Gloss

**Volume Solids (%):** 72

**Recommended Coverage Rate (ft<sup>2</sup>/gal.):** 185—200

**Method of Application:** Spray, Brush, or Roll

**Thinner & Clean-Up Solvent:** Acetone, Xylene or MEK

**Pot Life:** Approximately 50 minutes @ 77°F / 25°C

**Drying Time** 110 minutes @ 77°F / 25°C & 50% RH  
*Increased film thickness will take longer. Do not exceed 48 hours between coats.*

**Shelf Life:** 1 year in the original, unopened containers

**Storage:** Store between 40—95°F  
Store in a dry, covered area away from direct sunlight

**Pigment:** If pigmenting, use 1 Polyset Universal Pigment Pack per 2 gallons of mixed Ply-Guard AS (EPL)

**FOR ADDITIONAL APPLICATION & EQUIPMENT RECOMMENDATIONS, PLEASE CONSULT YOUR POLYSET TECHNICAL REPRESENTATIVE.**

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