

Ply-Guard WBAC

Technical Bulletin

Ply-Guard WBAC is a water reducible acrylic finish coating that offers extended exterior durability when used in moderately harsh environments. It provides excellent gloss and color retention.

Ply-Guard WBAC is highly resistant to dirt pick-up and has chemical resistance superior to conventional coatings. It is approved by many state D.O.T.'S for use on bridges.

Key Features

- Non-combustible, environmentally-safe
- Lead-free and Chromate-free
- Meets existing air emissions regulations
- Can be used with Polyset's approved WB HRZS[®] Primer
- Can also be used as a Direct-To-Metal (DTM) coating, providing a decorative finish with outstanding gloss and color retention
- Will not flash-rust when applied directly to steel surfaces
- Can be applied directly to concrete without a primer, with the advantage of long-term gloss and color retention

Uses

- Intended for use as a topcoat over properly primed steel under atmospheric exposure.
- Durable finish coating for steel and other metals.
- Direct-To-Metal application where gloss and color retention are desired and anti-corrosive protection is minimally required
- Durable, direct-to-surface coating for concrete, plaster, stucco, and masonry for long-term gloss and color retention.
- Can be used as a top-coat over Polyset's WB HRZS[®] Primer zinc-rich primer system in either one or two coats for extended durability and the maximum in weathering protection.

Surface Preparation

Surface must be clean, cool, dry, and free of grease, scaling paint, special surface hardeners, curing agent or other contaminants. Protect nearby objects (including vehicles & plant life) from overspray, drips or spatters by covering with drop cloths or other appropriate material. Allow new concrete, plaster, stucco and masonry to cure for a minimum of 30 days before application.

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

Product Data

(All readings taken at 25°C, unless noted)

VOC Content excluding water (Lbs./gal.):	1.0
VOC Content excluding water (grams/Liter):	119
Flash Point:	> 200°F (> 93.3°C)
Type of Material:	Acrylic Polymer
Color:	Various
Volume Solids (%):	42
Theoretical Estimated Coverage (ft²/gal.):	674 @ 1 mil DFT
Recommended Film Thickness (mils/coat):	2.5
Number of Coats:	1 or 2 (depending on service)
Method of Application:	Spray, Brush, or Roll
Thinner & Clean-Up Solvent:	Clean Water
Pot Life (Hours):	Indefinite (single component)

Drying Time

Time to Re-Coat:	1 Hour
Time to Hard/Tack-Free	4 Hours

Mixing

Mix Ply-Guard WBAC thoroughly before use. If the pigment has settled, pour off most of the liquid. Thoroughly mix the pigment with the remaining liquid, taking care to scrape all the pigment off the bottom of the can. Gradually add the poured-off liquid and mix thoroughly. Mixing can be made easier by transferring contents to a larger container or by pouring the paint to and from another container. Examine the bottom of the container for unmixed pigment. Screen paint before applying.

Application Instructions

Ply-Guard WBAC may be applied by spray or brush. Cross brushing or cross spraying application is highly desirable. Application by spray tends to provide the best leveling. Apply to the specified film thickness or, if none is specified, to 2.5 mils (50 microns) minimum DFT per coat, or approximately 7 mils (174 microns) WFT.

Shelf Life:	1 year in the original, unopened containers
Storage:	Store between 60–95°F (16–35°C)

FOR PROFESSIONAL USE ONLY

Impervious gloves, protective clothing, & splash resistant goggles are recommended. Direct contact with skin should be avoided as it may cause irritation. Harmful if ingested. Keep from open flames.

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