

COATING DATA

DESCRIPTION:

A high solids, low VOC, one package phenolic alkyd primer available in red and tan colors. P 30 Universal Primer is formulated free of lead, mercury, chromates, and other toxic pigments. This primer represents excellent one package corrosion protection, and may be recoated with most Induron finishes including alkyds, acrylics, polyurethanes and epoxies.

USE:

Use P 30 Universal Primer for structural steel or tankage where excellent corrosion protection is required and/or topcoat is unknown. This primer may be used in cases where it is not desirable to use multi-component primers, but desirable to use multi-component finishes. P 30 Universal Primer is also useful as a barrier coat over old conventional finishes to allow high performance finish coats. May be used as a shop primer or for industrial maintenance applications.

PERFORMANCE:

PANEL: Steel SYSTEM: One coat Induron P-30 Universal
 PREPARATION: Bonderite 1000 Primer @ 3.5 mils Dry Film Thickness

TEST	METHOD/CONDITIONS	DURATION	RESULTS
Salt Spray	ASTM B 117	1,800 Hours	No Blisters (<1/8" Undercutting at Scribe)
Impact	ASTM D 2294	Direct 60 in./lbs. Reverse 40 in./lbs. Direct 160 in./lbs.	No Effect Slight Cracking Cracking. No chipping.
Adhesion	ASTM D 3359		5B No Failure

RECOATABILITY:

This product may be recoated after overnight dry (at least 18 hours) with high performance solvent borne coatings such as polyurethanes and epoxies. If exposed to weather for 30 days or more, surface must be abraded.

LIMITATIONS:

Not suitable for immersion service. Not intended for use in environments in excess of 200°F (93°C).

SURFACE PREPARATION:

Steel (Non Immersion)—Remove all surface contaminants including rust, dirt, grease, water, and mill scale. Minimum surface preparations are either SSPC-SP 2 Hand Tool Cleaning or SSPC-SP 3 Power Tool Cleaning. If metal surfaces are sandblasted, use sufficient paint to provide a dry film which will cover the blast profile. **Note:** Service life is directly proportional to the quality of the surface preparation.

COVERAGE:

Theoretical—818 ft² per gallon at 1.0 mil dry.

DRY FILM THICKNESS:

2.0 to 3.5 mils. (**Note:** Do not exceed 3.5 mils.)

WET FILM THICKNESS:

4.0 to 7.0 mils

APPLICATION DATA**APPLICATION:**

Airless Spray—Use .015-.017 tip; 60 mesh filter; 30:1 pump ratio at 40-80 psi operating air pressure. **Conventional Spray**—Follow the instructions of equipment manufacturer for the application of alkyd primers. **Roller**—Use lambswool cover. Additional coats may be needed to achieve desired film thickness. **Brush**—Use natural bristle brush. Additional coats may be needed to achieve desired film thickness.

THINNING:

Not normally required. Thin up to 10% with K-1034 if needed. When clean up is required use Induron K-1012 Industrial Thinner.

CLIMATE:

Use this product only if the substrate temperature and ambient air temperature is above 40°F and is expected not to decrease for at least two hours after application. Also, the substrate temperature must be 5°F above the dewpoint for a period of at least two hours after application to avoid condensation occurring on wet paint.

DRY TIME:

TO HANDLE—1 hour at 80°F.

TO RECOAT—18 hours when temperatures average above 70°F.

Note: High film thickness, low temperature, and/or poor ventilation will retard dry time.

PHYSICAL DATA:

VOLUME SOLIDS: 51% ± 1%

SOLIDS BY WEIGHT: 70% ± 1%

WEIGHT PER GALLON: 11.3 ± .2 lbs per gallon mixed

VOLATILE ORGANIC CONTENTS:

Mixed unthinned - < 2.8 lbs/gallon; < 330 grams/liter

Mixed thinned 10% - < 3.2 lbs/gallon; < 380 grams/liter

HAZARDOUS AIR POLLUTANTS:

Mixed unthinned - 0.98 lbs/gallon solids

Mixed thinned 10% - 0.98 lbs/gallon solids

SAFETY DATA:

See individual product label for safety and health data information. Individual Material Safety Data Sheets are available upon request.