

Perdure UPr

moisture cured polyurethane primer



DESCRIPTION

Perdure Universal Primer is a one component, moisture cured polyurethane primer. It has excellent adhesion to sound, lightly adhered rusty steel, other marginal or poorly prepared metal surfaces and properly prepared concrete. Perdure UPr undergoes a rapid molecular weight change as it polymerizes into a high molecular weight primer with excellent corrosion, abrasion and high temperature resistance. It can be used as a primer for all Macrylex (MMA) based systems. Perdure UPr must be used as a barrier primer applied in one or two coats as needed to achieve a pinhole free finish when applying Macrylex over an existing epoxy basecoat.

ADVANTAGES

- Excellent primer for variety of surfaces
- Barrier primer for applying Macrylex systems over epoxy
- Superior wetting out properties over sound, rusty steel
- Can be recoated in 1 to 2 hours and can be coated with most resinous coatings
- Corrosion resistant: Passes 12,000 hrs. in salt cabinet
- Excellent high temperature resistance

SPECIAL CONDITIONS

- Do not apply over frost, wet/damp surfaces, or in very high humidity conditions
- Clear formulation will yellow over time if used as a finish coat
- Must be recoated with 24 hours
- Seal partially used containers to prevent material from reacting with moisture in the air

COLOR

- Perdure UPr is available in aluminum or clear only

COVERAGE

Use on concrete or as a barrier coat (2 coats recommended):
250ft²/gal/coat

Steel: 866ft² at 1 mil DFT

COMPOSITION

Aluminum or clear polyurethane

SURFACE PREPARATION

Concrete

Shot blast or grind to a medium grit texture similar to 60 grit sandpaper or CSP-3

Steel: Sand blast to a SSPC SP6 “commercial” blast finish. When blasting is not appropriate, remove all loose rust and mill scale by power wire brushing or hand tool cleaning. A tightly adherent rusty surface is acceptable.

Galvanized Steel

New Brush blast per SSP – SP7

Old, weathered or Rusty: Remove all oil, grease, dirt, and other foreign matter. Surface should be reasonably clean, dry, and free of contaminants. Remove all loose rust, etc., as outlines under steel.

Previously Painted Surfaces: Remove all loose, peeling, or blistered paint and any other surface contaminants. Make sure surface is sound and dry.

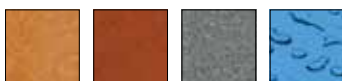
INSTALLATION

Mix Perdure UPr so that the aluminum pigment is thoroughly dispersed in the resin and a uniform silver color is achieved. When using Perdure UPr over an extended period, stir occasionally to maintain uniform mixing of the material. It is applied with a 3/8” nap roller. Roller covers should have a phenolic core.

Perdure UPr may be applied at temperatures between 25°F and 140°F. It cures to a tack free in 1-2 hours and can be recoated in 2 to 24 hours at 75°F with 50% RH.

AVAILABILITY

Perdure UPr is available throughout the United States and Canada. Contact Düraamen representative in your area for details.



TECHNICAL DATA

Working Life	1–2 hours @ 70°F, 50% RH
Recoat	2–24 hours @ 70°F, 50% RH
Service temperature	Up to 400°F dry
Application temperature	25°F–140°F dry
Mixing ratio	Single Component, Mix Well
Sheen	Low gloss
VOC	356g/L, compliant to high temp coating VOC Rule 1113

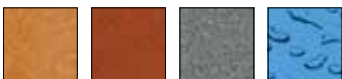
CAUTION

Proper ventilation is necessary when coating indoors or in confined areas. Vapors and spray mist may cause eye/skin irritation as well as allergic reactions. Always wear protective clothing, goggles and use NIOSH approved respirators. Combustible keep away from all sources of ignition. For industrial use only. Keep out of reach of children.

Shelf Life 6 months in unopened containers stored below 90°F

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duraamen engineered products, inc.

20 Haypress Road, Suite 323 Cranbury, NJ 08512 | duraamen.com | info@duraamen.com | 1.866.835.6595