

PRODUCT

INFORMATION



Enducryl® HP (High Performance) Water-Based Epoxy Z7111 - White/Tint Base Z7113 - Deep Base Z7114 - Neutral Base Z7115 - Part B Gloss Activator

DESCRIPTION:

Enducryl® HP Water-Based Epoxy is an interior/exterior, low odor, high film build, two-component, high performance water-based, catalyzed, acrylic epoxy coating. It dries to a tough, tile-like finish that exhibits excellent durability in industrial and commercial environments. **This product must be used with Part B Activator, Z7015 (Gloss) only.**

Enducryl® HP Water-Based Epoxy provides excellent adhesion to various substrates, meets VOC regulations, and is acceptable for incidental food contact in USDA inspected areas.

PROVIDES:

Low Odor	Moisture resistant
Abrasion resistant	Impact resistant
Chemical resistant	Excellent gloss & color retention

USES:

High maintenance areas	Schools
Recreational facilities	Water treatment facilities
Hospitals	Prisons

SIZES:

Available in 1.25 gallon yield. (4:1 mix ratio)

SURFACE PREPARATION:

Surface must be free of dirt, oil, moisture, grease, and other contaminants. Ferrous Metal - clean according to SSPC SP-2. Galvanizing - clean according to SSPC SP-1, apply test patch and check for adhesion. Aluminum - clean according to SSPC SP-1. Concrete - abrasive blast. Do not use hydrocarbon solvents for cleaning.

MIXING: Mix 4 parts Base with 1 part Activator

TINTING: Use P&L Colorants

The information, ratings and opinions stated here pertain to the materials offered at the time of the publication. The data represents the results of tests believed to be reliable. Published technical data and instructions are subject to change.

TECHNICAL DATA

Vehicle: Acrylic Epoxy
Components: Two (White/Tint Base, Deep Base and Neutral Base)
Sheen: Gloss
Flash Point: Above 230°F, SETA, mixed
% Solids: By Volume: 42.0%
VOC Level: Less than 2.09 lbs./gal. (250 gm/l)

Rec. Film Thickness: 10.0 - 15.0 mils wet film

Rec. Film Thickness: 4.0 - 6.0 mils dry film

Spreading Rate: Approx. 110 - 170 sq. ft./gal approximate

Pot Life: 8 hours @ 77°F

Induction Time: 15 minutes @ 77°F

Shelf Life: 12 months

Application: Apply by airless or conventional spray. Brush all sharp angles.

Drying Time @ 77°F (25°C): Set to touch 1 hr. To handle: 12 hours. Dry to recoat minimum 2 hrs., max. 30 days. Full cure is 14 days

Thinning: Not required

Cleanup: Water

Limitations: NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5°F (3°C) above the dew point. Do not apply when surface temperature is less than 50°F. Concrete must cure for 28 days prior to painting.

Heat Resistance: Up to 250°F dry heat (121°C)

FOR INDUSTRIAL USE ONLY

Technical Information Line:
1-800-BUY-PRAT (1-800-289-7728)

Website Address:
www.prattandlambert.com

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APPLICATION:

Airless: Pressure: 2400 psi
Tip: .019" - .023"
Filter: 60 mesh
Reduction: Up to 6% as needed

Conventional: 50 - 55 psi atomization pressure
20 - 25 psi fluid pressure
Aircap; 63PB
Fluid Cap; 66

Brush: Nylon/Polyester

Roller: Synthetic, woven

PHYSICAL TEST DATA*

*Testing based on:

- one coat Z7111 Finish at 5.0 mils DFT
- steel substrate; SSPC SP-10 surface preparation

Abrasion Resistance:

Method: ASTM D4060, CS10 wheel, 1000 cycles 1 kg load

Result: 141 mg loss

Adhesion:

Method: ASTM D44541

Result: 751 psi

Dry Heat Resistance:

Method: ASTM D2485

Result: 180° F, 200° intermittent

Exterior Durability:

Method: 1 Year

Result: Excellent

Wind driven Rain:

Method: ASTM D522 , 180° bend

Result: Passes

Flexibility:

Method: Fed Spec. TT-C-555B

Result: Passes

Pencil Hardness:

Method: ASTM D3363

Result: HB

Impact Resistance (Direct):

Method: ASTM D2794

Result: 42 in. lb.

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RECOMMENDED SYSTEMS

FERROUS METAL: (Interior and Exterior Exposure)

- 1 Steeltech® Universal Acrylic HP Primer at 2.0 - 4.0 mils DFT/coat

and

1 or 2 coats Enducryl® HP Water-Based Epoxy series at 4.05-6.0 mils DFT/coat

ALUMINUM, GALVANIZING:

(Exterior Exposure)

- 1 or 2 coats Enducryl® HP Water-Based Epoxy series at 4.05-6.0 mils DFT/coat

MASONRY, CONCRETE BLOCK:

(Interior Exposure)

- 1 coat Enducryl® Heavy Duty Block Filler Z8465 at recommended film thickness

(and)

- 1 or 2 coats Enducryl® HP Water-Based Epoxy series at 4.05-6.0 mils DFT/coat

For Additional Recommended Coating Systems Contact Your Pratt & Lambert Sales Executive.