

PRODUCT

INFORMATION



Enducryl® Water-Based Epoxy

- Z7021 - White/Tint Base
- Z7023 - Deep Base
- Z7024 - Neutral Base
- Z7015 - Gloss Activator
- Z7025 - Semi-Gloss Activator

DESCRIPTION :

Enducryl® Water-Based Epoxy is a two component, low odor, acrylic water based epoxy ideally suited for application wherever a durable, stain resistant finish is required. In interior environments, Enducryl® Water-Based Epoxy may be applied directly to aluminum, galvanizing, masonry, and concrete block walls. Its low odor makes it highly recommended for indoor application in hospitals, prisons, and other institutions and facilities.

In moderately corrosive environments and exterior exposures, apply Enducryl® Water-Based Epoxy to prevent rusting on ferrous metal. Because Enducryl® is an acrylic epoxy, it has better color and gloss retention in exterior exposures than other types of epoxies. It has excellent adhesion to various substrates, meets VOC regulations, and is acceptable for incidental food contact in USDA inspected areas.

USES :

Schools	Recreational facilities
Hospitals	Tank exteriors
Prisons	Machinery
Hand rails	Light traffic concrete floors

SIZES :

Available in 1 gallon kits. (White/Tint and Deep Bases available in a 5 gallon kit). (Mix ratio: 4:1)

SURFACE PREPARATION :

Surface must be free of dirt, oil, moisture, grease, and other contaminants. Ferrous Metal - clean according to SSPC SP-2 or SP-3. 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

TECHNICAL DATA

Vehicle:	Water Based Acrylic Epoxy
Components:	Two (colors: white, and tinting bases)
Sheen:	High Gloss or Semi-Gloss
Flash Point:	Above 201°F
% Solids:	By Volume: 39.0%
VOC Level:	1.74 lbs./gal. (209 gm/l)
Rec. Film Thickness:	6.5 - 8.0 mils wet film
Rec. Film Thickness:	2.5 - 3 mils dry film
Spreading Rate:	Approx. 200 - 250 sq. ft./gal
Mix Ratio:	4:1
Induction Time:	30 minutes @ 77°F
Pot Life:	36 hours @ 77°F
Shelf Life:	36 months

Application: Apply by brush, roller or airless spray. Brush all sharp angles.

Drying Time @ 77°F (25°C): Set to touch 1 hour. Tack free: 2 hours. Dry to recoat with water based coatings, 18-24 hrs. Full cure is 14 days

Thinning: Not Recommended

Cleanup: Warm soapy water followed by solvent flush.

Limitations: Not for use on high abuse concrete floors. 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)

Technical Information Line:
FOR INDUSTRIAL USE ONLY

Website Address:
www.prattandlambert.com

APPLICATION

Recommended Equipment

- Airless:** .015 to .017 orifice tip
1900 to 2000 psi
- Brush:** Nylon/Polyester
- Roller:** Woven with phenolic core
- Do Not Thin**

PHYSICAL TEST DATA*

- Adhesion (ASTM D4541): Passes 300 psi
- Pencil Hardness (ASTM D3363): Passes H
- Salt Fog (ASTM B-117): Passes 500 hours
- Flexibility (ASTM D522) Passes 1/4", 180°

*Testing based on:

- Enducryl® Water-Based Epoxy series at 2.5-3.0 mils DFT/coat Z7021 Finish at 2.5 mils DFT
- steel substrate
- SSPC SP-6 surface preparation



RECOMMENDED SYSTEMS

METAL, ALUMINUM, GALVANIZING:

(Interior and Exterior, Mild Exposures)

- 1 or 2 coats Steeltech® Universal Acrylic HP Primer at 2.0 - 4.0 mils DFT/coat

(and)

- 1 or 2 coats Enducryl® Water-Based Epoxy series at 2.5-3.0 mils DFT/coat

FERROUS METAL: (Exterior Exposure)

- 1 or 2 coats Steeltech® Universal Acrylic HP Primer at 2.0 - 4.0 mils DFT/coat

(and)

- 1 or 2 coats Enducryl® Water-Based Epoxy series at 2.5-3.0 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® Water-Based Epoxy series at 2.5-3.0 mils DFT/coat

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