

# PRODUCT

## INFORMATION



## Enducryl®

### Acrylic Semi-Gloss Enamel

Z6621-White/Tint Base,  
Z6623-Deep Base  
Z6624-Neutral Base

#### DESCRIPTION :

Enducryl® DTM Acrylic Semi-Gloss Enamel is a water based 100% acrylic, corrosion resistant coating specially formulated for light to moderate industrial use. Enducryl® DTM Acrylic Semi-Gloss Enamel applies directly to properly prepared steel, aluminum, and galvanizing. Its moisture resistant properties prevent flash rusting and make it ideal for both new construction and maintenance applications. When applied over a primer, it provides corrosion protection in even the harshest industrial environments.

Enducryl® DTM Acrylic Semi-Gloss Enamel is perfect for application to concrete block and masonry surfaces. It provides a highly durable and color stable finish. Enducryl® DTM Acrylic Semi-Gloss Enamel meets the U.S VOC regulations and is environmentally friendly.

#### USES :

Schools	Recreation facilities
Hospitals	Tank exteriors
Prisons	Machinery
Motors	Dust conveyers
Piping	Racks
Fire doors	Fire escapes
Utility trailers	Shop equipment

**SIZES :** Available in 1 gallon and 5 gallon containers

#### SURFACE PREPARATION :

Surface must be free of dirt, oil, moisture, grease, and other contaminants. Ferrous Metal should be cleaned according to SSPC SP-2 or SP-3. For optimum protection blast clean according to SP-6. In severe environments, apply over recommended primer.

#### TECHNICAL DATA

**Vehicle:** 100% Acrylic  
**Sheen:** Semi-Gloss  
**Flash Point:** 200°F  
**% Solids:** By Volume: 38:0% +/- 2% (white)  
**VOC Level:** 1.731 lbs./gal. (208 gm/l) maximum

**Rec. Film Thickness:** 6.5 - 10.0 mils wet film

**Rec. Film Thickness:** 2.5 - 4.0 mils dry film

**Spreading Rate:** 160-260 square feet per gallon for 2.5 - 4.0 mils dry film

**Pot Life:** N/A

**Shelf Life:** 36 months

**Application:** Apply by Airless, Brush or Roller.

**Drying Time @ 77°F (25°C):** Set to touch 1 hr. Tac free: 4 hours. Dry to recoat 4 hrs. Full cure is 30 days.

**Thinning/Cleanup:** Clean up with warm soapy water followed by solvent flush.

**Limitations:** NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5°F above the dew point. Do not apply to surface temperatures below 50°F. Concrete must be cured for 28 days prior to painting.

#### FOR INDUSTRIAL USE ONLY

**Application:** Recommended Equipment

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

Website Address:  
[www.prattandlambert.com](http://www.prattandlambert.com)

## APPLICATION:

**Brush:** Nylon and/or Polyester  
**Roller:** 3/8" nap cover  
**Airless:** .017 to .021 orifice tip  
Pressure.....1500 psi

## PHYSICAL TEST DATA:

**Substrate:** Steel  
**Surface Preparation:** SSPC-SP10  
**2 cts. Enducryl Semi-Gloss Acrylic @ 3 mils DFT**

### ABRASION RESISTANCE:

Method: ASTM D4060, CS17 Wheel, 1000 cycles, 1kg load  
Result: 107 mg loss

### ACCELERATED WEATHERING:

Method: ASTM D4587, QUV-A, 5000 hours  
Result: passes

### ADHESION:

Method: ASTM D4541  
Result: >500 psi

### CORROSION WEATHERING:

Method: ASTM D5894, 15 cycles, 5,040 hours  
Result: Rating 10 per ASTM D714 for blistering  
Rating 9 per ASTM D610 for rusting

### DIRECT IMPACT RESISTANCE:

Method: ASTM D2794  
Result: >160 in. lbs

### DRY HEAT RESISTANCE:

Method: ASTM D2485  
Result: 300° F

### EXTERIOR DURABILITY:

Method: 1 Year, 45° F  
Result: Excellent

### FLEXIBILITY:

Method: ASTM D522, 180° bend, 1/8" mandrel  
Result: Passes

### MOISTURE CONDENSATION RESISTANCE:

Method: ASTM D4585, 100° F, 300 hours  
Result: Passes

### PENCIL HARDNESS:

Method: ASTM D3363  
Result: 2B

### SALT FOG RESISTANCE:

Method: ASTM B117, 500 hours  
Result: Excellent

### FLAME SPREAD RATING:

Method: ASTM E84-91a  
Result: Flame Spread Index - 5  
Smoke Density Index - 0

## RECOMMENDED SYSTEMS:

### FERROUS METAL: (mild environment)

- 1 or 2 coats Enducryl® DTM Acrylic Semi-Gloss Enamel series at 2.5 - 4.0 mils DFT

### FERROUS METAL: (moderate environment)

#### WATER BASED PRIMER-

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

(and)

- 1 or 2 coats Enducryl® DTM Acrylic Semi-Gloss Enamel series at 2.5 - 4.0 mils DFT

or

#### SOLVENT BASED PRIMER-

- 1 coat Steeltech® Universal Alkyd HP Primer at 3.0 - 4.0 mils DFT

(and)

- 1 or 2 coats Enducryl® DTM Acrylic Semi-Gloss Enamel series at 2.5 - 4.0 mils DFT

### ALUMINUM AND GALVANIZED METAL:

(mild environment)

- 1 or 2 coats Enducryl® DTM Acrylic Semi-Gloss Enamel series at 2.5 - 4.0 mils DFT

(moderate environment)

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

(and)

- 1 or 2 coats Enducryl® DTM Acrylic Semi-Gloss Enamel series at 2.5 - 4.0 mils DFT

### MASONRY, CONCRETE BLOCK:

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

(and)

- 1 or 2 coats Enducryl® DTM Acrylic Semi-Gloss Enamel series at 2.5 - 4.0 mils DFT

### CONCRETE FLOORS: (Light duty service)

- 1 or 2 coats Enducryl® DTM Acrylic Semi-Gloss Enamel series at 2.5 - 4.0 mils DFT

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

Provides performance comparable to products formulated to federal specification:  
MIL-28578B, TT-P-1511B, & paint specification: SSPC-Paint 23