



PorterMastic™ 7500 Surface Tolerant Epoxy

7500

PorterMastic 7500 Surface Tolerant Epoxy is a high performance, low VOC, two component, surface tolerant, industrial maintenance coating for barrier protection on properly prepared bare or previously coated steel and masonry surfaces. Surface tolerant over Hand Tool or Power Tool Cleaned surfaces. For immersion service Near-White Metal Blast is required.

USED FOR	FEATURES
<ul style="list-style-type: none"> Structural Steel & Piping Tight Rust & Old Coatings Immersion Service 	<ul style="list-style-type: none"> Corrosion Protection Surface Tolerant Water Resistance

RECOMMENDED SYSTEMS
PorterMastic 7500 Surface Tolerant Epoxy is recommended for barrier protection of steel, sound, previously rusted steel and intact aged coatings in both corrosive and non-corrosive industrial environments.

NON-IMMERSION SERVICE

SUBSTRATE	TYPICAL FINISH	
	PorterGlaze Epoxy	PorterThane Urethane
Steel:	4000 Gloss, 4400 HB	9000 Gloss non-immersion
Masonry:	4000 Gloss, 4400 HB	9000 Gloss non-immersion

IMMERSION SERVICE (eg, sewage)

First Coat: 7500 Black or Beige @ 5-7 mils DFT
Second Coat: 7500 Beige or Black @ 5-7 mils DFT

LIMITATIONS
Apply in good weather when air, surface and material temperatures are above 50°F. Curing is retarded below 60°F. Surface temperature must be at least 5°F above the dew point. Avoid exterior painting late in the day when dew or condensation are likely to form or when rain is threatening. (NOTE: The inherent chemistry of this product causes the film to Yellow as it ages.)

TECHNICAL DATA

Product Type: Polyamide Epoxy

Base/Color:

	PART A	PART B
Black	PC7528A	PC7546B
Beige	PC7593A	PC7546B

Mix ratio (by volume): 1:1 (2 component)

Induction (Sweat-in) period: 30 minutes above 60°F, 1 hour below 60°F

Pot Life: 4 hours @ 77°F

Gloss, 60°: 25 - 55, not controlled

Percent Solids:

Weight: 91.4%

Volume: 84.9%

Weight/Gallon: 12.4 lbs.

Thinner: Thin 10% to 25% with Porter T-1 Epoxy Thinner (PC5100) or Porter T-3 Slow Thinner (PC5300)

Clean-Up: Porter T-1 Epoxy Thinner (PC5100), Porter T-3 Slow Thinner (PC5300), or Porter T-5 Xylene Thinner (5133)

Recommended Film Thickness:

Wet: 7.1 - 9.8 mils

Dry: 5.0 - 7.0 mils

Spread Rate (Theoretical): 195 - 274 sq. ft./gal. @ 5-7 mils dry.

Dry Time @ 77°F:

To Touch: 8 hours

To Handle: 16 hours

To Recoat: 16 hours

For Immersion: 7 days

(Expect longer dry times at lower temperatures and higher relative humidity.)

Flash Point (Setaflash):

Part A: 95°F

Part B: 164°F

Note: This product is not formulated with lead or mercury containing materials.

REGULATORY DATA

VOC as supplied (theoretical): 1.06 lb/gal (127 g/l)

VOC for Mixed Material thinned to 25% maximum: 2.30 lb/gal (267 g/l)

SURFACE PREPARATION

Paint only clean, dry, deglossed and profiled (blasted, scarified or chemical treated) surfaces. Remove dust, oils, dirt, grease, wax, release agents, sanding dust, paint remover, etc. with PorterPrep Heavy Duty Cleaner No. 571, Soilax and water, Porter Thinner No. 5132 or other appropriate cleaners per SSPC-SP1 cleaning procedures. Remove loose paint, mill scale, rust, etc. by Hand Tool Cleaning (SSPC-SP2) or by Power Tool Cleaning (SSPC-SP3). Sand or Brush Blast (SSPC-SP7) any hard glossy areas until dull. **Spot prime as necessary.**

Concrete: New concrete must age 30 days. Surface shall be clean, dry and free of curing compounds, oil, grease or other contaminants. Sweep blast clean to provide etched surface for proper adhesion. Remove dust before coating. **Alternatively:** Acid Etch with Muriatic Acid (one part acid to two parts water). Apply solution uniformly using a plastic sprinkler and scrub with a stiff bristle broom. When bubbling ceases rinse with clean water and scrub with stiff bristle broom. If surface is acidic (pH below 7), neutralize surface by washing with 1 - 2 % ammonia solution. Allow surface to dry below 12% moisture content.

Steel: Excellent performance is obtained over abrasive blasted surfaces, SSPC-SP6 Commercial Blast Clean. Immersion service requires Near-White Metal Blast Clean SSPC-SP10.

Previously Painted Surfaces: Test for compatibility by applying a test patch. Allow to cure and check for wrinkling, lifting, or loss of adhesion.

INSTRUCTIONS FOR USE

Tinting: Do not tint.

Mixing: Product is supplied in two containers as a unit. Always mix a complete unit in the proportions supplied. Stir each component separately, then add Part B to Part A and stir mechanically for 5 minutes.

Sweat-in: Allow the mixed material to sweat-in (sit undisturbed) for 30 minutes above 60°F, 1 hour below 60°F.

Clean-up: Clean tools and equipment immediately after use with Porter T-1 Epoxy Thinner (PC5100), Porter T-3 Slow Thinner (PC5300), or Porter T-5 Thinner (5133).

Application:

Conditions: Temperature Range: 50°F (10°C) minimum (air and surface). Optimal Temperature Range 70-80°F.

Dew Point: Surface temperature must be 5°F above the dew point.

Relative Humidity: Maximum 85%

Equipment: Brushes: China Bristle (touch-up only)

Airless Spray: Minimum 1500 psi at tip, .017" to .021" tip

Conventional Spray: DeVilbiss MBC510 gun E or EX tip, 704 cap

Binks model 18 gun, 63PE air nozzle

Directions: Steel, concrete: Typically applied in one or two coats over properly prepared steel and masonry surfaces. May be topcoated, see finishes.

PRECAUTIONS

Prior to using this product, the user is specifically directed to obtain and read the current Material Safety Data Sheet and Label for this product. If, after reading these documents, you do not understand them, do not use this product. KEEP OUT OF REACH OF CHILDREN.

SHIPPING

Freight Classification: PAINT OR PAINT RELATED MATERIAL

Packaging:**10 Gallon Kit**

PART A: 5-gallon pail

PART B: 5-gallon pail

2 Gallon Kit

Part A: 1-gallon can (packed 4 gal/carton)

Part B: 1-gallon can (packed 4 gal/carton)

Shipping Weight:**10 Gallon Kit (Black)**

Part A: 67.0 lb/5-gal

Part B: 62.6 lb/5-gal

2 Gallon Kit (Black)

Part A: 13.3 lb/gal (54.2 lb/carton)

Part B: 12.4 lb/gal (50.7 lb/carton)



The technical data furnished is true and accurate to the best of our knowledge. However, no guarantee of accuracy is given or implied. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. Technical data are theoretical values and subject to change without prior notice.

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