



PorterZinc™ 3200 Inorganic Zinc Rich Primer

3200

PorterZinc 3200 Inorganic Zinc Rich Primer is a two component, self-curing, ethyl silicate, metallic zinc and iron oxide primer. Heavy duty corrosion resistant primer for properly prepared ferrous metal surfaces in industrial environments. Provides excellent galvanic protection due to its high zinc load (84% minimum).

USED FOR	FEATURES
<ul style="list-style-type: none"> Galvanic (sacrificial) Protection Fabricator Shop Primer Structural Steel & Piping 	<ul style="list-style-type: none"> Zinc Content: 84% minimum in dry film Rapid Handling Long Term Corrosion Resistance

RECOMMENDED SYSTEMS
PorterZinc 3200 Inorganic Zinc Rich Primer is recommended for long term corrosion protection in neutral pH environment or, when topcoated, severe industrial exposures.

TYPICAL FINISH COATS
(NOTE: Mist coat may be required)

- PorterGlaze 4400 High Build Semi-Gloss Epoxy
- PorterMastic 7000 Surface Tolerant Epoxy

TECHNICAL DATA

Product Type: Ethyl Silicate Zinc Rich
Base/Color: **PART A** **PART C***
 Green PC3200A PC3000GC*
 *(NOTE: PC3000C Zinc Powder is also used with PorterZinc 3000 Zinc Rich Epoxy Primer A&B)

Mix ratio (by volume): DO NOT SPLIT UNIT
Induction (Sweat-in) period: Stir until mixture is uniform and free of lumps.
Pot Life: 12 hrs. @ 45°F, 8 hrs. @ 77°F, 4 hrs. @ 95°F
 Relatively small amounts of moisture contamination will cause gelling.
Gloss: Flat
Percent Solids:
Weight: 84.5% 84% zinc in dried film
Volume: 68% (Practical)
Weight/Gallon: 21.4 lbs.
Thinner: Do not thin in VOC regulated areas. If thinning is required, use Porter T-6 NSF Epoxy Thinner (PC5600) as allowed by local VOC regulations. Porter T-6 NSF Epoxy Thinner (PC5600) or ketone solvents.
Clean-Up:
Recommended Film Thickness:
Wet: 3.7 - 5.1 mils
Dry: 2.5 - 3.5 mils
Spread Rate (theoretical): 312 - 436 sq. ft./gal.
Dry Time:
To Touch: 20 minutes
To Handle: 2 - 4 hours
To Recoat: 8 - 12 hours
 (Expect longer dry times at lower temperatures and higher relative humidity.)
Flash Points (Pinsky-Martens): Part A: 53°F Part C: Not combustible
Slip Coefficient, ASTM A-325: Class "B"
Dry Temperature Resistance: 750°F (399°C)
Meets performance specifications for Mil -P-38336 (USAF).

Note: This product is not formulated with any lead containing ingredients. This product complies with the Consumer Products Safety Commission "Ban of Lead Containing Paint" (16CFR 1303)

LIMITATIONS
Do not apply at temperatures below 0°F (-17 °C) or above 140°F (60 °C). Surface temperature must be at least 5°F (3 °C) above the dew point. Relative humidity range from 30% to 85% to insure proper cure. Note limited shelf life: 1 year @ 60°F - 80°F, inside storage.

REGULATORY DATA
VOC for Mixed Material (theoretical):
As supplied: 3.43 lb/gal (412 g/l) per ASTM D2369

SURFACE PREPARATION

Paint only clean dry surfaces. Remove all oil, grease, soil, drawing and cutting compounds, and other contaminants from surfaces to be coated in accordance with SSPC-SP 1 Solvent Cleaning.

Apply to blasted steel only. Prepare surface in accordance with SSPC-SP6 Commercial Blast Cleaning.

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. Thoroughly mix Part A with a mechanical mixer until pigment is thoroughly incorporated. Slowly add Part C powder while continuing to mix mechanically. Strain through a 60 mesh strainer into a mechanically agitated paint pot.

Clean-up: Clean tools and equipment immediately after use with Porter T-6 NSF Epoxy Thinner (PC5600) or Ketone solvents.

Application:

Conditions:	Temperature Range:	0°F (-17°C) minimum, 140°F (60°C) maximum (air, surface, paint)
	Dew Point:	Surface temperature must be at least 5°F above the dew point.
	Relative Humidity Range:	30% to 85%
Equipment:	Airless Spray:	Minimum 1500 psi at tip, .017" to .021" tip, 30 mesh inline filter, continuous agitation must be used. Hose lengths of 25' and work heights greater than 10' above pump are to be avoided.
	Conventional Spray:	MBC 510 gun, stainless steel E tip, 704 air cap, mastic spring, teflon packing. Double regulated pot, agitator equipped, ½" material hose 25' maximum.
Directions:		Apply to blasted steel only at 2.5 - 3.5 mils dry. Do not apply in excess of 5 mils dry.

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: PART A: PAINT OR PAINT RELATED MATERIAL; PART C: ZINC DUST

Packaging:	5 Gallon Kit	1 Gallon Kit	
	PART A: 5-gallon pail PART C: 5-gallon pail	Part A: 1-gallon can* Part C: 1-gallon can*	*Gallon cans packaged 4 gallons/carton
Shipping Weights:	5 Gallon Kit	1 Gallon Kit	
	PART A: 38.4 lb/5-gal PART C: 76.9 lb/5-gal	Part A: 7.6 lb/gal (31.4 lb/carton) Part C: 15.3 lb/gal (62.2 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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