

## Epoxy Primer 5500M

PRODUCT INFORMATION													
PRODUCT DESCRIPTION	RECOMMENDED USES												
<p>Epoxy primer containing zinc phosphate is designed in accordance with the compositional and performance requirements</p> <ul style="list-style-type: none"> <li>• 100% solids • Forms the necessary foundation to support high performance top coats</li> <li>• Deep penetration • No offensive odors</li> <li>• Compatible with a variety of top coats</li> <li>• Excellent adhesion properties • Low VOCs</li> <li>• Can be applied to rusted substrates prepared to SSPCSP2 Standard</li> </ul>	<p>Suitable for most steel structures subject to moderate-to-high abrasive, erosive.</p>												
PRODUCT CHARACTERISTICS	PERFORMANCE CHARACTERISTICS												
<p><b>Finish:</b> Flat <b>Color:</b> Reddish Gray or Customerised <b>Weight Solids:</b> Min75% <b>VOC (EPA Method 24):</b> &lt;650 g/L; 5.42 lb/gal <b>Wet Film Thickness:</b> Max250 microns <b>Dry Film Thickness:</b>Max165 microns <b>Mix Ratio:</b> 8:1 Coverage: 0.1KG/M2 <b>NOTE:</b> Only areas inaccessible to spraying shall be brushed. Multiple coats may be required to achieve maximum film thickness and uniformity of appearance. <b>Drying Schedule:</b></p> <table border="0"> <tr> <td></td> <td><b>@ 15°C</b></td> <td><b>@ 25°C</b></td> <td><b>@ 35°C</b></td> </tr> <tr> <td>To touch:</td> <td>6-8 hrs</td> <td>3-5 Hrs</td> <td>1-3 hrs</td> </tr> <tr> <td>Hard Dry:</td> <td>12-24 hrs</td> <td>6-10 hrs</td> <td>4-8hrs</td> </tr> </table> <p><b>Pot Life:</b> 1-5hrs <b>Shelf Life:</b> 12 months, unopened <b>Flash Point:</b> 28°C</p>		<b>@ 15°C</b>	<b>@ 25°C</b>	<b>@ 35°C</b>	To touch:	6-8 hrs	3-5 Hrs	1-3 hrs	Hard Dry:	12-24 hrs	6-10 hrs	4-8hrs	<p>Meets the compositional and performance requirements</p>
		<b>@ 15°C</b>	<b>@ 25°C</b>	<b>@ 35°C</b>									
	To touch:	6-8 hrs	3-5 Hrs	1-3 hrs									
	Hard Dry:	12-24 hrs	6-10 hrs	4-8hrs									
	SURFACE PREPARATION												
	<p>Surface must be clean, dry, and in sound condition. Remove all oil, dust, grease, dirt, loose rust, and other foreign material to ensure good adhesion. Refer to product Application Bulletin for detailed surface preparation information. Minimum recommended surface preparation: Iron &amp; Steel: SSPC-SP5/NACE 1, 1.5 – 2.5 mil profile</p>												
	APPLICATION CONDITIONS												
	<p>Temperature: 35°F minimum, 125°F maximum (air, surface, and material) At least 5°F above dew point Relative humidity: 85% maximum Paint shall be applied only to surfaces that are above the dew point temperature and that are completely free of moisture</p>												

## **APPLICATION BULLETIN**

### ***Surface Preparation***

All surfaces to be coated must be dry and free of dust, dirt, oil, grease, wax, or other contaminants that could interfere with coating adhesion.

#### ***Iron & Steel (primer required)***

Remove all oil and grease from surface by Solvent Cleaning per SSPC-SP1. Minimum surface preparation is Commercial Blast Cleaning per SSPC-SP6/NACE 3. For better performance, use Near White Metal Blast Cleaning per SSPC-SP10/NACE 2. Blast clean all surfaces using a sharp, angular abrasive for optimum surface profile (2 mils). Prime any bare steel the same day as it is cleaned or before flash rusting occurs.

#### ***Aluminum***

Remove all oil, grease, dirt, oxide and other foreign material by Solvent Cleaning per SSPC-SP1. Primer required

#### ***Galvanized Steel***

Allow to weather a minimum of six months prior to coating. Solvent Clean per SSPC-SP1. When weathering is not possible, or the surface has been treated with chromates or silicates, first Solvent Clean per SSPC-SP1 and apply a test patch. Allow paint to dry at least one week before testing adhesion. If adhesion is poor, brush blasting per SSPC-SP7 is necessary to remove these treatments. Rusty galvanizing requires a minimum of Hand Tool Cleaning per SSPC-SP2, prime the area the same day as cleaned or before flash rusting occurs.

#### ***Concrete and Masonry***

Remove all loose particles, laitance, oil, grease, form release agents, and any other contaminants. New concrete and masonry must be allowed to cure for a minimum of 28 days. Before painting, roughen the surface by abrasive blasting, acid etching, or scarifying.

#### ***Wood***

Ensure the wood is clean and dry. Sand all rough areas to a smooth appearance.

**WARNING!** If you scrape, sand or remove old paint, you may release lead dust. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID**

**EXPOSURE.** Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a HEPA vacuum and a wet mop. Before you start, find out how to protect yourself and your family by contacting the National Lead Information Hotline at 1-800-424-LEAD or log on to [www.epa.gov/lead](http://www.epa.gov/lead).

### ***Application Information***

May be brushed, rolled, or sprayed; squeegee may be used for floor application. Do not exceed recommended film thickness; extra care must be taken to ensure complete coverage of the surface.

## ***Application Equipment***

Air or airless spray, brush, or roller. Certain colors may require two coats depending on method of application and color of the primer or intermediate coat.

CAUTION! Use 100 mesh manifold filter and gun with 100 mesh tip strainer. Use appropriate tip and atomizing pressure for equipment, applicator technique and weather conditions.

### **Airless Spray**

Pump..... 30:1  
Pressure ..... 1800 - 2500 psi  
Hose ..... 3/8" ID  
Tip ..... .017" - .021"  
Reduction ..... As needed up to 5% by volume

### **Conventional Spray**

Gun ..... Binks  
Cap ..... 63P  
Fluid Tip ..... 69PB  
Atomization Pressure .. 50-70 psi  
Fluid Pressure ..... 20-25 psi  
Reduction ..... As needed up to 5% by

**Roller** Use phenolic core roller. The nap length will vary depending on surface texture. Short nap or smooth medium nap

for coarse abraded surfaces.

## ***Clean Up Instructions***

Clean all equipment immediately after use with Aromatic Thinner (M94). Flushing spray equipment at noon break, with a thorough

cleaning at the end of the work day, is good work practice.

## ***Environmental, Health & Safety Information***

**WARNING!** CAUSES EYE AND SKIN IRRITATION. **Contains Epoxy resin**

CAUSES EYE, SKIN, NOSE AND THROAT IRRITATION. MAY CAUSE ALLERGIC SKIN REACTION

**IMPORTANT:** Designed to be mixed from two components (EPC65-00 and EPC65-84). Mixture will have hazards of both components. Before

opening packages, read all warning labels. Follow all precautions.

**Keep away from heat and flame. Use only with adequate ventilation.** Do not breathe vapors, spray mist or sanding dust. Do not get

in eyes or on skin. WEAR A PROPERLY FITTED VAPOR/PARTICULATE RESPIRATOR APPROVED BY NIOSH FOR USE WITH PAINTS, eye protection,

gloves, and protective clothing during application (or sanding) and until all vapors and spray mist are exhausted.

In confined places or

in situation where continuous spray operations are typical, or if proper respirator fit is not possible, wear a positive-pressure, supplied air respirator

approved by NIOSH. In all cases, follow respirator manufacturer's directions. Do not permit anyone without protection in the painting

area. Close container after each use.

**FIRST AID:** If affected by inhalation of vapors or spray mist, remove to fresh air. In case of eye contact, flush

immediately with plenty of water for at least 15 minutes and call a physician. For skin, wash thoroughly with soap and water. In case of ingestion, DO NOT induce vomiting.

Get medical help immediately.

**IN CASE OF: FIRE** – Use foam, CO<sub>2</sub>, dry chemical, or water fog. **SPILL** – Absorb with inert material and dispose of in accordance with applicable regulations.

USE COMPLETELY OR DISPOSE OF PROPERLY. This product contains organic solvents which may cause adverse effects to the environment if handled improperly. Disposal of wastes containing either organic solvents or free-liquids in landfills is prohibited. Dry, empty containers may be recycled in a can recycling program. **Local disposal requirements vary; consult your sanitation department or state-designated environmental agency on disposal options.**

**PROTECT FROM FREEZING FOR PROFESSIONAL USE ONLY KEEP OUT OF REACH OF CHILDREN**  
**Refer to Material Safety Data Sheet available from your retailer for further safety and handling information.**

### ***Warranty & Limitation of Sellers Liability***

All statements made on any product label, product manual, product data sheets, technical data charts or specification charts contained herein, are accurate to the best of our knowledge. The products and information are intended for use by persons having skill and know how in the industry at their own discretion and risk. HONEST JOY & Co. warrants only that its coatings represented herein meet the formulation standards of HONEST JOY & Co. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY THE SELLER, EXPRESSED OR IMPLIED, STATUTORY, BY OPERATION OR LAW, OR OTHERWISE INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Workmanship, weather, construction equipment, quality of other materials and other variables affecting the results are beyond our control. No agent, employee or representative of seller has any authority to bind seller to any affirmation, representation or warranty except as stated above.