

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Water-Based Epoxy Emulsion Primer
<b>Description</b>	A water based epoxy primer for concrete. Designed to increase adhesion and reduce the potential for outgassing in high performance flooring systems.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Extremely fast recoatability</li> <li>• Meets even the most restrictive VOC Requirements</li> <li>• Low/no Odor</li> <li>• User Friendly</li> <li>• Unlimited moisture vapor transmission when used within a water-based system</li> <li>• Can be used if the substrate is saturated surface damp or "SSD"</li> <li>• Suitable for use in USDA inspected facilities</li> </ul>
<b>Color</b>	Clear
<b>Dry Film Thickness</b>	1 - 2 mils (25 - 51 microns) per coat
<b>Typical Uses</b>	Penetrating primer for epoxy and urethane systems applied over concrete and other porous substrates.
<b>Solids Content</b>	By Volume 32% +/- 2%
<b>Theoretical Coverage Rate</b>	513 ft <sup>2</sup> /gal at 1.0 mils (12.6 m <sup>2</sup> /l at 25 microns) 257 ft <sup>2</sup> /gal at 2.0 mils (6.3 m <sup>2</sup> /l at 50 microns) Allow for loss in mixing and application.
<b>VOC Values</b>	<b>As Supplied</b> : 0.09 lbs/gal (11 g/L)  *EPA Method 24
<b>Topcoats</b>	Topcoat selection will depend on service environment.  Contact Dudick for recommendations.

## SUBSTRATES & SURFACE PREPARATION

<b>Concrete</b>	Concrete shall be designed, placed, cured, and prepared per NACE No. 6/SSPC-SP 13, latest edition. Abrade to remove all laitance, loose concrete, etc. and to create surface profile in accordance with ICRI CSP 2 or greater. Consult your Dudick representative for more information about the right surface profile for your coating system.
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## PERFORMANCE DATA (TYPICAL VALUES)

Test Method	Results
Adhesion to Concrete ASTM D-7234	Cohesive Failure of concrete

## MIXING & THINNING

<b>Mixing</b>	Premix component B, then pour into to component A while mixing with slow speed using an electric drill, with a ribbon type mixer or similar until thoroughly mixed.
<b>Thinning</b>	Do not thin.

# Steri-Prime WB

## PRODUCT DATA SHEET



### MIXING & THINNING

**Ratio** | 2 parts A : 1 part B by volume

**Pot Life** | The pot life will depend on the temperature. To prevent material waste and avoid damage to equipment, do not mix more material than can be used according to the following:  
90 minutes @ 50°F (10°C)  
60 minutes @ 75°F (24°C)  
30 minutes @ 90°F (32°C)

This product will thicken, similar to most solvent based epoxies, when nearing the end of its pot life.

### APPLICATION EQUIPMENT GUIDELINES

Listed below are general equipment guidelines for the application of this product. Job site conditions may require modifications to these guidelines to achieve the desired results.

**General** | Apply using a brush, roller or squeegee.  
Brush out excess left puddles in pits and cracks.

**Brush & Roller (General)** | Use of a 3/8"-1/2" roller cover is recommended to effectively wet the profiled concrete. For best results, condition roller before application to minimize lint or loose fibers. A brush should be used for hard to reach areas.

### APPLICATION PROCEDURES

**General** | Prime all surfaces to be coated at 2-3 mils wet film thickness. Do not allow the primer to puddle. At the stated minimum recoat times, primer may still be slightly tacky, this will optimize inter-coat adhesion.

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	50°F (10°C)	50°F (10°C)	20%
Maximum	90°F (32°C)	110°F (43°C)	110°F (43°C)	90%
Optimum	70°F (21°C)	70°F (21°C)	70°F (21°C)	50%

The temperature of the substrate should NOT exceed the dew point by 5 °F (3 °C) during application and curing. High humidity or having limited airflow will increase minimum recoat times.

### CURING SCHEDULE

Surface Temp.	Dry to Topcoat Minimum	Dry to Topcoat Maximum
50°F (10°C)	2 Hours	6 Days
70°F (21°C)	60 Minutes	4 Days
90°F (32°C)	20 Minutes	2 Days

If maximum recoat times are exceeded, consult a Dudick Representative; sanding or abrasive blasting may be required before the coating or floor topping can be applied.

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**TESTING / CERTIFICATION / LISTING**

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**General** | Dudick flooring systems can be built to meet or exceed the requirements of Static or Dynamic Coefficient of Friction testing per installation to meet static coefficient of friction requirements for ANSI B101.1 of >0.6 and dynamic coefficient of friction (DCOF)\* – Wet ANSI A326.3 of >0.42.

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**CLEANUP & SAFETY**

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**Cleanup** | Use warm soapy water, S-10 Cleaning Solvent, or Acetone to clean tools and equipment.

**Safety** | Read and follow all caution statements on this product data sheet and on the SDS. Employ industry standard safety precautions. Keep unmixed containers closed when not in use.

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**PACKAGING, HANDLING & STORAGE**

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**Packaging** | 3 Gallon Kit:  
Part A - 2 single gallon metal cans (2x3.79 liters)  
Part B - 1 single gallon metal can (3.79 liters)

**Shelf Life** | 24 months @ 50-75°F (10-24°C)  
When stored in their original, unopened containers. Exposure to excessive heat may reduce working time and shelf life.

**Storage** | All products should be stored in a cool, dry area away from open flames, sparks or other hazards.

**Shipping Weight (Approximate)** | 3 Gallon Kit - 27 lbs. (12 kg)

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**WARRANTY**

To the best of our knowledge the technical data contained herein is true and accurate on the date of publication and is subject to change without prior notice. User must contact Carboline Company to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Carboline quality control. We assume no responsibility for coverage, performance, injuries or damages resulting from use. Carbolines sole obligation, if any, is to replace or refund the purchase price of the Carboline product(s) proven to be defective, at Carbolines option. Carboline shall not be liable for any loss or damage. NO OTHER WARRANTY OR GUARANTEE OF ANY KIND IS MADE BY CARBOLINE, EXPRESS OR IMPLIED, STATUTORY, BY OPERATION OF LAW, OR OTHERWISE, INCLUDING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. All of the trademarks referenced above are the property of Carboline International Corporation unless otherwise indicated.