

## SELECTION & SPECIFICATION DATA

<b>Generic Type</b>	Two component, highly cross-linked vinyl ester primer
<b>Description</b>	800 Series Primer is a two-component, highly crosslinked vinyl ester priming system that penetrates into concrete and reduces porosity. It is applied to a properly prepared surface prior to the application of the appropriate Carboline lining system. The use of 800 Series Primer ensures a secure bond between the substrate and the lining system, reduces absorption of the lining system's liquids by sealing concrete porosity and makes the overall application of the lining system easier.
<b>Features</b>	<ul style="list-style-type: none"> <li>• Seals and penetrates concrete</li> <li>• Promotes adhesion of vinyl ester linings to concrete</li> </ul>
<b>Color</b>	Clear Amber
<b>Solids Content</b>	By Volume 96%
<b>Coverage Rate</b>	One carton of 800 Series Primer will cover approximately 300 square feet (27.88 square meters) of relatively smooth surface. One carton consists of 2 kits.
<b>VOC Value(s)</b>	Per EPA Method 24: 0.25 lbs/gal (25 g/l)  This product contains US EPA VOC-exempt solvent(s).
<b>Topcoats</b>	Semstone 800 Series coating and lining systems.

## SUBSTRATES & SURFACE PREPARATION

<b>General</b>	<p>Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials and laitance. Laitance and unbonded cement particles must be removed by mechanical methods, i.e., abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy duty industrial detergent and rinsing with clean water. The surface must show open pores throughout and have a sandpaper texture.</p> <p>For recommendations or additional information regarding substrate preparation, please contact Carboline's Technical Service Department.</p>
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## MIXING & THINNING

<b>Mixing</b>	<p>Empty the contents of Part B (resin) and Part A (curing agent) into a clean mixing container. Mix with a slow speed drill and Jiffy Mixer for 1-1/2 to 2 minutes.</p> <p><b>NOTE: Do not start mixing until the surface is properly prepared and dry, with the temperature of both the 800 Series Primer and the surface at least 60 °F (16°C).</b></p>
<b>Working Time</b>	<p>15 - 20 min work time @ 70°F when spraying and using material out of a can, en mass. 45 min work time @ 70°F when spread out onto concrete surfaces for rolling and brushing</p> <p>The working time may vary depending on ambient conditions.</p>

# Semstone<sup>®</sup> 800 Series Primer

## PRODUCT DATA SHEET



### 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.

**Brush & Roller (General)** | May be applied by brush or roller (medium nap). It is important to obtain the proper coverage and not allow the material to puddle in holes or depressions.

### APPLICATION CONDITIONS

Condition	Material	Surface	Ambient	Humidity
Minimum	50°F (10°C)	60°F (16°C)	50°F (10°C)	0%
Maximum	75°F (24°C)	90°F (32°C)	90°F (32°C)	90%

### CURING SCHEDULE

Surface Temp.	Tack Free and Dry to Recoat	Dry to Topcoat Maximum
75°F (24°C)	2.5 Hours	24 Hours

May be topcoated when tack free. Maximum topcoat time of 24 hours is for exterior, UV exposure. If out of direct sunlight max. topcoat time is 48 hours. If topcoat time is exceeded abrade the primer to medium grit sandpaper texture.

### CLEANUP & SAFETY

**Safety** | Read and follow all caution statements on this product data sheet and on the SDS for this product. Employ normal workmanlike safety precautions. Use adequate ventilation. Keep container closed when not in use.

### PACKAGING, HANDLING & STORAGE

**Packaging** | 800 Series Primer is packaged in units for easy handling. Each unit consists of:  
**1 carton containing:**  
2 containers of Part A (liquid) (8 oz. jar)  
2 containers of Part B (liquid) (partial filled 1 gal.) Each carton contains about 2 gal. of material.

**Shelf Life** | Part A: 12 months Part B: 6 months

**Storage Temperature & Humidity** | Prior to mixing, 800 Series Primer components must be stored between 50-75 °F (10-24 °C).  
The 800 Series Part A products are classified as flammable materials. The 800 Series Part A products are organic peroxides. PLEASE HANDLE AND STORE PROPERLY.

**Storage** | Store in a dry area, out of direct sunlight.

**Shipping Weight (Approximate)** | 18.659 lbs

**Flash Point (Setaflash)** | Part A: 199.4 °F (93 °C)  
Part B: 73.4 °F (23 °C)



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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.