

SELECTION & SPECIFICATION DATA

Generic Type	Two component, highly cross-linked vinyl ester primer
Description	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.
Features	800 Series Primer is designed for use with Semstone 700 Series and 800 Series coating and lining systems. This product should be used as a priming coat prior to application of any of the above systems.
Color	Clear Amber
Finish	N/A
Solid(s) Content	By Volume 96%
Coverage Rate	One unit of 800 Series Primer will cover approximately 300 square feet (27.88 square meters) of relatively smooth surface. A batch of 800 Series Primer is made up of one container of Part A and one container of Part B. Each batch will cover approximately 150 square feet (13.94 square meters). Since each batch has been proportioned to cover a specific area, the installer should make certain that each single batch is NOT used to cover a larger area. Also, on very rough surfaces, a batch of 800 Series Primer may not cover a full 150 square feet (13.94 square meters) — the rougher the surface, the less total area a batch will cover.
VOC Value(s)	As Supplied: 0.25 lbs/gal (25 g/l)
Topcoats	Semstone 800 Series coating and lining systems

SUBSTRATES & SURFACE PREPARATION

General	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. For recommendations or additional information regarding substrate preparation, please contact Carboline's Technical Service Department.
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MIXING & THINNING

Mixing	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. 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.
Pot Life	After mixing, 800 Series Primer has a working time of approximately 45 minutes at 77°F/25°C. The working time may vary depending on ambient conditions.

Semstone 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) | 800 Series Primer 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.

CURING SCHEDULE

Surface Temp.	Recoat Time
24°C (75°F)	10 Hours

PACKAGING, HANDLING & STORAGE

Storage Temperature & Humidity | Prior to mixing, 800 Series Primer components must be stored between 50°F/10°C and 75°F/24°C in a dry area, out of direct sunlight. 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.

WARRANTY

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