

SELECTION & SPECIFICATION DATA

Description	800 Series Patching Mortar is a three-component, vinyl ester patching mortar. 800 Series Patching Mortar exhibits excellent bond strength and chemical resistance to most acids, alkalies, salt solutions and oils. Due to its non-sag, lightweight consistency, it is used to permanently patch and repair vertical and overhead voids. Uses: 800 Series Patching Mortar is a vinyl ester patching mortar. It may be used in a variety of applications such as: Filling voids and bugholes in precast concrete and other masonry surfaces. Bonding mortar on stone, concrete and plaster. Repairing damaged concrete and filling narrow cracks in concrete. Used in conjunction with 700 and 800 Series Coatings and Linings applications.
Features	<ul style="list-style-type: none"> • Excellent mechanical strengths • Rapid hardening • Excellent bond strength assures superior adhesion • Excellent chemical resistance • Easily installed to clean, sound substrate • Factory proportioned packaging ensures consistent high quality and simplified mixing • Easy to use, fast-setting, labor saving system
Color	Light gray in color when mixed.
Finish	N/A
Topcoats	Not Applicable

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 sand paper texture. For recommendations or additional information regarding substrate preparation, please contact Carboline's Technical Service Department.
Special Instruction	<ul style="list-style-type: none"> • Apply only on a clean, sound, properly prepared substrate. • Minimum ambient and surface temperatures are 55°F/13°C at the time of application. • Maximum surface temperatures should not exceed 90°F/32°C during application. • Application and curing times are dependent upon ambient conditions. Please consult Carboline if conditions are not within recommended guidelines.

PERFORMANCE DATA

Test Method	Results
Bond Strength (ASTM D-4541)	>400 psi (100% concrete failure)
Compressive Strength (ASTM C-579)	5,000 psi
Dry to recoat time @75°F/24°C (ASTM D-1640)	4-6 hrs.
Flexural Strength (ASTM C-580)	2,200 psi
Hardness (ASTM D-2240/Shore D Durometer)	60
Tensile Strength (ASTM C-307)	1,300 psi

Semstone 800 Series PM

PRODUCT DATA SHEET



MIXING & THINNING

Mixing | Premix Parts A and B in a 5 gallon mixing bucket, using a heavy-duty, slow-speed drill (400-600 rpm) and a Jiffy Mixer for 2 minutes. Gradually add the contents of Part C and mix for an additional 90 seconds. Mixing is complete when no clumps of dry material exist and the material has light, fluffy consistency.

Pot Life | @ 75°F/24°C 20 min.

PACKAGING, HANDLING & STORAGE

Storage Temperature & Humidity | Store both components of 800 Series Patching Mortar between 60°F/16°C - 85°F/30°C in a dry area. Avoid excessive heat. Do not freeze. The shelf life is 6 months in the original, unopened container.

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.