

PRODUCT DESCRIPTION

SEMSTONE 110/110EP Damp-Proof Primer is a two part epoxy that exhibits superior adhesion to concrete and steel. SEMSTONE 110/110EP Damp Proof Primer is used in conjunction with many of Carboline's coatings.

PACKAGING

SEMSTONE 110/110EP Damp-Proof Primer is packaged in 1.5 gallon units.

A unit of Semstone 110 consists of:

- 1 1 gallon can of Part A
- 1 1 gallon can of Part B (short-filled)

A unit of Semstone 110EP consists of:

- 1 1 gallon can of Part A
- 1 1 gallon can of Part B (short-filled)
- 1 bag of Part C

COVERAGE

A 1.5 gallon unit of Semstone 110 or 110 EP will cover approximately 200 sq. ft./18.6 sq. m

TYPICAL PROPERTIES

MIXING RATIO

2 parts Part A to 1 part Part B by volume.

COLOR

110: Amber
 110EP: Buff

POT LIFE

After mixing, SEMSTONE 110/110EP has a working time of approximately 60 minutes @ 75°F/24°C.

CURING

Listed below are a few curing schedules that may be used for time and work planning.

MINIMUM APPLICATION TEMPERATURE	DRY TO TOUCH	MAXIMUM RECOAT
50°F/10°C	24 to 30 Hrs	4 Days
65°F/18°C	10 to 12 Hrs	3 Days
80°F/27°C	6 to 10 Hrs	48 Hrs
95°F/35°C	5 to 8 Hrs	24 Hrs

*SEMSTONE 110/110EP may be topped while still wet. Check specific topcoat data sheet or consult Carboline's Technical Service Department for specific instructions.

STORAGE CONDITIONS

Store all components of SEMSTONE 110/110EP between 50°F/10°C and 90°F/32°C in a dry area, out of direct sunlight. PLEASE HANDLE AND STORE PROPERLY. The shelf life is 2 year in the original, unopened container.

SURFACE PREPARATION

Proper preparation is critical to ensure an adequate bond. The substrate must be 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.

PRIMER APPLICATION

1. Mix Part A resin with Part B hardener until uniform in color and consistency.
2. Apply to prepared surface using flat floor squeegee, paint roller, or brush. Apply in one even coat to thoroughly wet and seal surface. Do not allow to puddle.

Note: To avoid potential outgassing problems, Carboline recommends applying Semstone 110 while ambient temperature is descending. As common with all epoxies and novolacs, under certain conditions such as low temperature and high humidity, this product may develop an oily film on its surface known as "blush". This blush should be removed by a soap and water wash prior to any re-coating.

EPOXY PUTTY APPLICATION

1. Mix Part A resin with Part B hardener until uniform in color and consistency.
2. Add Part C to form a putty consistency and mix thoroughly.
3. Apply to primed surface, working into voids to displace air, using a trowel, squeegee or broad knife.

CURING

The surface of SEMSTONE 110/110EP will be tack-free in 6-8 hours at 70°F/21°C.

February 2005 replaces August 2003

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 or injuries resulting from use. Liability, if any, is limited to replacement of products. 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. Carboline® and Semstone® are registered trademarks of Carboline Company.

SEMSTONE® 110/110 EP

RECOMMENDATIONS

- Apply only on clean, sound, and properly prepared substrate.
- Substrate temperature should be greater than 5°F/3°C above dew point.
- Application and curing times are dependent upon ambient and substrate conditions. Consult Carboline if conditions are not within recommended guidelines.

NOTES

- Material Safety Data Sheets on SEMSTONE 110/110EP are available on request.
- Specific information regarding chemical resistance of SEMSTONE 110/110EP is available through Carboline Technical Service.
- A staff of technical service engineers is available to assist in product application, or answer questions related to Carboline products. Requests for technical literature or service can be made through local sales representatives and offices, or corporate offices located throughout the world.

SAFETY

READ THIS NOTICE!

SAFETY & MISCELLANEOUS EQUIPMENT

Toluene or Xylene solvents are recommended for clean up of SEMSTONE 110/110EP part A or B material spills. Use these materials only in strict accordance with manufacturers' recommended safety procedures. Dispose of waste materials in accordance with Government Regulations.

For the applicator, the use of a supplied air respirator system is required when handling the product.

The selection of proper protective clothing and equipment will significantly reduce risk to injury. Body covering apparel, safety goggles and impermeable gloves are highly recommended.

In case of contact, flush area with water for 15 minutes and seek medical attention. Wash skin with soap and water.

Use only with adequate ventilation.



350 Hanley Industrial Court, St. Louis, MO 63144-1599
314/644-1000 314/644-4617 (fax) www.carboline.com

An **RPM** Company

February 2005 replaces August 2003

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 or injuries resulting from use. Liability, if any, is limited to replacement of products. 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. Carboline® and Semstone® are registered trademarks of Carboline Company.