



# SEMCOAT GF

The STEBBINS Engineering and Manufacturing Company  
Watertown, NY USA  
<http://www.StebbinsEng.com>

## PRODUCT INFORMATION

### DESCRIPTION

SEMCOAT GF is a two-component, epoxy-based coating used to protect concrete from chemical splashes and damaging process vapors. It is not intended for immersion service.

SEMCOAT GF is the primary protective layer in the SEMCOAT GF coating system. The SEMCOAT GF coating system is supplied as follows: one coat of C96 Primer, followed by two coats of SEMCOAT GF.

### COMPONENT PACKAGING

C96 Primer is supplied as two (2) separately packaged components and is available in two (2) unit sizes, Small and Large:

Material	Container	Weight
C96 Primer Resin Small Unit	(One), 1-gallon (3.8 liter) Container	8.0 lb. (3.6 kg)
C96 Primer Hardener Small Unit	(One), 1-quart (0.95 liter) Container	2.0 lb. (1.0 kg)
C96 Primer Resin Large Unit	(One), 5-gallon (19 liter) Steel Pail	30.0 lb. (14 kg)
C96 Primer Hardener Large Unit	(One), 1-gallon (3.8 liter) Container	7.5 lb. (3.2 kg)

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### TYPICAL PHYSICAL PROPERTIES

Physical State	Liquid
Composition	Epoxy Based Protective Coating
Color	Gray or Red
Density	69.3 lb./ft <sup>3</sup> (1110 kg/m <sup>3</sup> )
C96 Primer Coverage	770 ft <sup>2</sup> (52.3 m <sup>2</sup> )
Small unit	
Large unit	2,887 ft <sup>2</sup> (52.3 m <sup>2</sup> )
Semcoat GF Coverage 3/16" (4.8 mm) Thickness	562.5 ft <sup>2</sup> (52.3 m <sup>2</sup> )
Viscosity	< 75 cps @ 75°F (23°C)
Specific Gravity	0.64 oz./in <sup>3</sup> (1.11 g/cc)
Solubility	Insoluble in water

### APPLICATION

The concrete must be dry and free of grease, oil, release agents or other surface contaminants. If the concrete is less than 28 days old, contact Watertown Technical Services for instructions.

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Proper surface preparation is essential for good bonding. The concrete must be blasted with sand, dry ice or high-pressure water. Water blasting should be considered the last option because the substrate will require subsequent drying. Brush-blasting is sufficient for new concrete. The surface texture, after blasting, must resemble #40 to #60 grit sandpaper.

The SEMCOAT GF coating system can be applied by brush or roller and cures at ambient temperature.

C96 Primer system must be applied and cured prior to SEMCOAT GF application. At 75-80°F (24-27°C), the primer will require about 2-1/2 hours cure. Press the surface of the primer with your fingertips or a clean cloth. If the primer does not remain on the cloth or the fingertips, then SEMCOAT GF can be applied. Note that the primer may be slightly tacky while not transferring to the fingertips.

Brush blasting, followed by another layer of primer, is required if the primer is cured beyond the following outlined conditions:

<b>Below 70°F (21°C)</b>	<b>after 4 days</b>
<b>At 70-85°F (21-29°C)</b>	<b>after 72 hours</b>
<b>At 86-95°F (30-35°C)</b>	<b>after 48 hours</b>

#### **STORAGE**

Do not store the components in direct sunlight. Store in a cool dry area.

Keep the containers dry and the lids closed tight.

#### **SAFETY PRECAUTIONS/DISCLAIMER**

Mixes and applications of this product present a number of hazards. The purchaser and user must read and follow the hazard information, precautions and first aid directions on the individual product labels and safety data sheets before using.

All data contained in this Product Information sheet are averaged results of ASTM tests on laboratory prepared samples. Reasonable variations can be expected. The data should not be used for specification purposes.

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