



# CHEMBLOC SERIES 206SC

## PRODUCT PROFILE

**GENERIC DESCRIPTION** Modified Flexible Polyamine Epoxy

**COMMON USAGE** Glass reinforced flexible epoxy mortar basecoat for bridging small substrate cracks in secondary containment concrete structures. Replaces mortar/slurry basecoat for Series 237SC, 239SC and 252SC when a flexible basecoat is desired.

**COLORS** 33GR Gray. **Note:** Epoxies chalk and yellow with age, extended exposure to UV light and artificial lighting. Lack of ventilation, incomplete mixing, miscatalyzation or the use of heaters that emit carbon dioxide and carbon monoxide during application and initial stages of curing may cause amine blush, possibly affecting adhesion of subsequent topcoats.

## COATING SYSTEM

**SURFACER/FILLER/PATCHER** Series 215, 218. **Note:** A repair kit of 201, with Part C fumed silica, is available for small patching/surfacing repairs. For more extensive repairs and additional information, contact your Tnemec representative or Tnemec Technical Services.

**PRIMERS** Series 201

**TOPCOATS** Series 120-5001, 252SC, 280, 282. **Note:** A saturant coat of 237SC or 239SC liquids is required over fiberglass mat prior to application of topcoat.

## SURFACE PREPARATION

Prepare surfaces by method suitable for exposure and service.

**CONCRETE** Allow new concrete to cure 28 days. Verify dryness by testing for moisture with a "plastic film tape-down test" (Reference ASTM D 4263). Should moisture be detected, perform "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (Reference ASTM F 1869). Moisture content not to exceed three pounds per 1,000 sq ft in a 24 hour period. Abrasive blast, shot-blast or mechanically abrade to remove laitance, form release agents, curing compounds, sealers and other contaminants and to provide surface profile. Voids, bugholes and other cavities should be filled with recommended filler or surfacer (Reference SSPC-SP13/NACE 6, ICRI-CSP5).

**ALL SURFACES** Must be clean, dry and free of oil, grease and other contaminants.

## TECHNICAL DATA

**VOLUME SOLIDS** 100% (mixed)

**RECOMMENDED DFT** **Mortar/Slurry Basecoat:** 60 to 80 mils.

**CURING TIME**

Temperature	To Topcoat	To Place in Service
75°F (24°C)	12 to 24 hours	24 hours

**VOLATILE ORGANIC COMPOUNDS** **Unthinned:** 0.03 lbs/gallon (4 grams/litre)

**THEORETICAL COVERAGE** 1,604 mil sq ft/gal (39.4 m<sup>2</sup>/L at 25 microns). See APPLICATION for coverage rates.

**NUMBER OF COMPONENTS** Mortar Containment Kit (MCK)-Three: Part A (epoxy), Part B (amine) and Part C (aggregate)

**PACKAGING**

	PART A	PART B	PART C	Yield (mixed)
MCK	1-1 gallon can	1-1/2 gallon can	1-30 lb bag	3 gallons

**Note:** The fiberglass reinforcing mat (S211-0215) is calculated per sq ft based on a 38 in x 500 ft (1,500 sq ft) roll and is available in full rolls only. (Sold separately)

**NET WEIGHT PER GALLON** 9.45 ± 0.25 lbs (4.29 ± .11 kg) mixed

**STORAGE TEMPERATURE** Minimum 50°F (10°C) Maximum 90°F (32°C)  
Prior to application, the material should be stored at temperatures between 70°F and 90°F (21°C and 32°C) for at least 48 hours prior to use.

**SHELF LIFE** 12 months at recommended storage temperature

**FLASH POINT - SETA** Part A: N/A Part B: N/A

**HEALTH & SAFETY** Paint products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to the use of this product.  
**Keep out of the reach of children.**

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## APPLICATION

**COVERAGE RATES**

	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Kit (m <sup>2</sup> /Kit)
Mortar/Slurry Basecoat (MCK) †	60.0-80.0 (1525-2030)	60.0-80.0 (1525-2030)	61-81 (5.6-7.5)

† Coverage rates are based on the addition of the entire Part C filler.

**MIXING**

Use a variable speed drill with box blade. Slowly mix Part A component, and while under agitation, add Part B component and mix for a minimum of two minutes. Ensure that all Part B is blended with Part A by scraping the pail walls with a flexible spatula. **Note:** A large volume of material will set up quickly if not applied or reduced in volume.

**Caution: Do not reseal mixed material. An explosion hazard may be created.**

**Mortar/slurry basecoat:** If a filled basecoat mortar is required, slowly add one 30 lb bag of Part C filler (S211-0214) to mixed liquids until all the Part C filler is thoroughly blended. The yield will be approximately 3 gallons. For filled basecoat slurry, the Part C filler can be reduced by approximately 6 lbs or 20%.

**THINNING**

Do not thin.

**POT LIFE**

30-40 minutes at 75°F (24°C)

**APPLICATION**

**Mortar/Fiberglass Mat Reinforced Application (MCK):** Uniformly trowel apply the mixed Part A and Part B liquids and Part C filler (S211-0214) at a rate of approximately 60-80 mils or 61-81 sq ft/kit (5.6-7.5 m<sup>2</sup>), leaving a smooth, even finish.

**Reinforcement and Saturant:** While the basecoat is still wet, lay and press the fiberglass reinforcing mat (S211-0215) into the surface. Using a rib roller, backroll fiberglass to remove any air pockets. Once mat is placed, immediately saturate mat with Series 237SC or 239SC (approximately 8.0 to 12.0 mils or 201-301 sq ft/kit) until fiberglass mat is completely wet out.

**Caution: The saturant coat should be applied at a thickness to only wet out the fiberglass mat. Any attempt to build a film on top of the mat may result in sags and runs.**

**APPLICATION EQUIPMENT**

**Mortar/Slurry Basecoat:** Squeegee, trowel, loop roller

**Note:** For detailed instructions, refer to the Secondary Containment Installation and Application Guide.

**SURFACE TEMPERATURE**

Minimum of 55°F (13°C), optimum 65°F to 80°F (18°C to 27°C), maximum of 90°F (32°C). The substrate temperature should be at least 5°F (3°C) above the dew point. Coating will not cure below minimum surface temperature.

**MATERIAL TEMPERATURE**

For optimum application, handling and performance, the material temperature during application should be between 70°F and 90°F (21°C and 32°C). Temperature will affect the workability. Cool temperatures increase viscosity and decrease workability. Warm temperatures will decrease viscosity and shorten pot life.

**CLEANUP**

Clean all equipment immediately after use with MEK or xylene.

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