



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, 208, 241

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

CONCRETE Prepare surfaces by method suitable for exposure and service.

Allow new poured-in-place concrete to cure a minimum of 28 days at 75°F (24°C). Verify concrete dryness in accordance with ASTM F 1869 “Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride” (moisture vapor transmission should not exceed three pounds per 1,000 square feet in a 24 hour period), F 2170 “Standard Test Method for Determining Relative Humidity in Concrete using in situ Probes” (relative humidity should not exceed 80%), or D 4263 “Standard Test Method for Indicating Moisture in Concrete by the Plastic Sheet Method” (no moisture present). **Note:** The testing listed above cannot guarantee avoidance of future moisture related problems particularly with existing concrete slabs. This is especially true if the use of an under slab moisture vapor barrier cannot be confirmed or concrete contamination from oils, chemical spills, unreacted silicates, chlorides or Alkali Silica Reaction (ASR) is suspected.

Prepare concrete surfaces in accordance with NACE No. 6/SSPC-SP13 Joint Surface Preparation Standards and ICRI Technical Guidelines. Abrasive blast, shot-blast, water jet or mechanically abrade concrete surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide a minimum ICRI-CSP 3 or greater surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer. **Note:** For moisture content exceeding 3 lbs per 1,000 sq ft or relative humidity in excess of 80%, Series 208 or 241 may be substituted for the primer. Refer to the Series 208 or 241 product data sheet for more information.

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 (1525 to 2030 microns).

CURING TIME

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

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

THEORETICAL COVERAGE 1,604 mil sq ft/gal (39.4 m²/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.

CHEMBLOC® | SERIES 206SC

APPLICATION

COVERAGE RATES	Dry Mils (Microns)	Wet Mils (Microns)	Sq Ft/Kit (m ² /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 reseat 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 m²), 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. To avoid outgassing, concrete temperature should be stabilized or in a descending temperature mode. Material should not be applied in direct sunlight.

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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