



PRODUCT PROFILE

GENERIC DESCRIPTION Flexible Epoxy

COMMON USAGE Flexible epoxy underlayment for bridging small substrate cracks in concrete and to provide a protective waterproof membrane under aggregate reinforced flooring systems. This flexible basecoat is capable of withstanding 50 mils of differential movement without damaging the system.

COLORS 33GR Gray. Please contact your Tnemec representative for special colors. **Note:** Epoxies chalk and yellow with age, extended exposure to UV 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. **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, 205, 208, 237, 238, 241.

TOPCOATS Series 210, 222, 223, 237, 238, 239, 247, 248, 270, 290, 291, 294, 295, 297. **Note:** When using 223, 237, 238 and 239 mortars, a tie coat of Series 201 is required.

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 30.0 to 80.0 mils (750 to 2000 microns) per coat.

CURING TIME	Temperature	To Recoat	To Place in Service
	75°F (24°C)	12-24 hours	24 hours

Note: If more than 24 hours have elapsed between coats, the coated surface must be mechanically abraded before topcoating.

VOLATILE ORGANIC COMPOUNDS 0.06 lbs/gallon (7 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 Two: Part A and Part B (2 Parts A to 1 Part B by volume.)

PACKAGING KITS CONSIST OF:

	PART A (Partially filled)	PART B (Partially filled)	When Mixed Yield
Large Kit	2-5 gallon pails	1-5 gallon pail	15 gallons (56.8 L)
Small Kit	2-1 gallon cans	1-1 gallon can	3 gallons (11.4 L)

NET WEIGHT PER GALLON 9.45 ± 0.25 lbs (4.29 ± .11 kg) mixed
STORAGE TEMPERATURE Minimum 20°F (-7°C) Maximum 110°F (43°C)
 Prior to application, the material temperature should be above 60°F (16°C). It is suggested the material be stored above this temperature 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.

SUB-FLEX EP® | SERIES 206

APPLICATION

COVERAGE RATES Before commencing, obtain and thoroughly read the StrataShield Installation and Application Guide for floors.

	Dry MILS (MICRONS)	Wet MILS (MICRONS)	Sq Ft/Gal (m ² /Gal)
Suggested	30.0-80.0 (750-2000)	30.0-80.0 (750-2000)	20-53 (1.9-4.9)

Caution: Before applying Series 206, voids and irregularities in the prepared and primed concrete substrate must first be filled using Series 215 or thickened Series 201. Contact Tnemec Technical Service for detailed recommendations. Allow for surface irregularities. Film thickness is rounded to the nearest 0.5 mil or 5 microns. Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating performance.

MIXING Use a variable speed drill with a PS Jiffy blade. Slowly mix 2 parts A component, and while under agitation, add 1 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.**

THINNING **DO NOT THIN.**

POT LIFE 30-40 minutes at 75°F (24°C)

APPLICATION EQUIPMENT Notched squeegee or trowel and porcupine or loop roller (squeegee or trowel and backroll with porcupine or loop roller).

SURFACE TEMPERATURE Minimum of 55°F (13°C), optimum 65°F to 80°F (18°C to 27°C), maximum of 90°C (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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