



EPOXOPRIME® SERIES 201

PRODUCT PROFILE

GENERIC DESCRIPTION Modified Polyamine Epoxy

COMMON USAGE High-solids moisture tolerant epoxy used for priming concrete, wood and drywall. Also as a stand-alone one-coat clear floor sealer.

COLORS Clear. Can be field-tinted (Series 820 Field Tint) in 16 StrataShield colors and certain custom colors. **Note:** Epoxies chalk with extended exposure to sunlight. 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 yellowing to occur.

COATING SYSTEM

SURFACER/FILLER/PATCHER Series 130, 215, 217, 218, 1254
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.

TOPCOATS Series 201, 206, 206SC, 210, 222, 223, 224, 237, 237SC, 238, 239, 239SC, 270, 273, 280, 281, 282, 406, 434, 435, 436.
Note: Refer to the applicable topcoat data sheet for color availability and additional information.

SURFACE PREPARATION

HORIZONTAL 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.

VERTICAL CONCRETE Allow new concrete to cure 28 days. Abrasive blast or mechanically abrade concrete to remove laitance, form release agents, curing compounds, hardeners, sealers and other contaminants and to provide surface profile (Reference SSPC-SP13).

CMU Allow new mortar to cure 28 days. Surfaces must be clean, dry, sound and free of all contaminants. Level all protrusions and mortar spatter.

WALL BOARD, WOOD & DRYWALL Must be clean, dry and free of oil, grease and other contaminants. **Note:** When using moisture resistant and/or high impact wall board or cement board in wet environments, utilize Series 215 and fiberglass tape or compound suitable for wet environments.

PAINTED SURFACES Contact your Tnemec representative.

ALL SURFACES Must be clean, relatively dry and free of oil, grease, curing compounds/sealers, hardeners and other contaminants. Application will tolerate residual dampness from surface preparation process but not puddled water, glistening concrete or inherently wet concrete.

TECHNICAL DATA

VOLUME SOLIDS 100% (mixed)

RECOMMENDED DFT **Concrete: Horizontal:** 6.0 to 12.0 mils (150 to 305 microns) per coat. **Vertical** - 4.0 to 6.0 mils (100 to 150 microns) per coat.
Wall board, Drywall & Wood: 4.0 to 6.0 mils (100 to 150 microns) per coat—two coats applied at 30 to 45 minute intervals.

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

Curing time varies with surface temperature, air movement, humidity and film thickness.
Ventilation: When spray-applied, provide adequate ventilation during application and cure. Reference ventilation guidelines contained in the latest edition of AWWA D 102. **Note:** If Series 201 is used as the primer for a mortar system, the mortar application should take place while the Series 201 is still tacky, typically up to four hours, otherwise, aggregate should be lightly broadcast into the primer so to provide tooth to hold the mortar in place when spread. When the Series 201 is used as a vertical or horizontal primer for a thin film system, the 201 should be allowed to dry hard without exceeding the 24 hour recoat window. If Series 201 is used as the primer for the Series 270 Stranlok system, the Series 201 should be allowed to tack up for approximately one to four hours depending upon temperature but not allowed to dry hard.

VOLATILE ORGANIC COMPOUNDS **Unthinned:** 0.24 lbs/gallon (28 grams/litre)
Thinned 5% (No. 2 Thinner): 0.57 lbs/gallon (68 grams/litre)
Thinned 5% (No. 42 Thinner): 0.55 lbs/gallon (65 grams/litre)

HAPS **Unthinned:** 0.0 lbs/gal solids
Thinned 5% (No. 2 Thinner): 0.37 lbs/gal solids
Thinned 5% (No. 42 Thinner): 0.0 lbs/gal solids

THEORETICAL COVERAGE 1,604 mil sq ft/gal (39.4 m²/L at 25 microns). See APPLICATION for coverage rates.

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NUMBER OF COMPONENTS
PACKAGING

Two: Part A and Part B (2 Parts A to 1 Part B by volume)

	PART A	PART B	Yield (mixed)
Extra Large Kit	2-55 gallon drums	1-55 gallon drum	165 gallons
Large Kit	2-5 gallon pails	1-5 gallon pail	15 gallons
Small Kit	2-1 gallon cans	1-1 gallon can	3 gallons

NET WEIGHT PER GALLON
STORAGE TEMPERATURE

9.50 ± 0.25 lbs (4.31 ± .11 kg) (mixed)

Minimum 40°F (4°C) Maximum 90°F (32°C)

Note: 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.

TEMPERATURE RESISTANCE
SHELF LIFE

(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)

12 months at recommended storage temperature.

FLASH POINT - SETA
HEALTH & SAFETY

N/A

This product contains 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.

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)
Horizontal	6.0-12.0 (150-305)	6.0-12.0 (150-305)	134-267 (12.2-24.8)
Vertical	4.0-6.0 (100-150)	4.0-6.0 (100-150)	267-401 (24.8-37.3)

Allow for overspray and surface irregularities and waste. 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

Normally not required. May thin up to 5% or 1/4 pint (190 mL) to improve application properties. Brush and roll applications use No. 2 Thinner. Spray applications use No. 42 Thinner.

POT LIFE

25 to 30 minutes at 75°F (24°C)

Material temperatures above 90°F (32°C) will significantly reduce the pot life.

APPLICATION EQUIPMENT

Brush, roller, squeegee and airless spray.

Airless Spray

Pump	Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
Graco "King" 45:1 or 56:1	0.019"-0.033" (485-840 microns)	80-90 psi (5.5-6.2 bar)	3/8" to 1/2" (9.5 to 12.7 mm)	60 mesh

Roller: Use high quality 3/8" to 1/2" woven nap, shed resistant, roller cover.

Brush: Use high quality synthetic or nylon bristle brush.

Horizontal: Squeegee and backroll. Brush small areas only.

Vertical: Roll, spray and backroll or airless spray based on substrate conditions. Brush small areas only. **Spraying should be considered as a means to transfer the material to the surface and should be followed by backrolling.**

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. 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

Flush and clean all equipment immediately after use with xylene or MEK.

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