



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. **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 63-1500, 130, 218, 219
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, 210, 222, 223, 224, 237, 238, 239, 270, 273, 275, 280, 281, 282, 434, 435, 436.
Note: Refer to the applicable topcoat data sheet for color availability and additional information.

SURFACE PREPARATION

Prepare surfaces by method suitable for exposure and service.

HORIZONTAL CONCRETE Allow new concrete to cure 28 days. Verify dryness by testing for moisture with a "plastic film tapedown 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. Shot-blast or mechanically abrade to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide surface profile (Reference SSPC-SP13, ICRI CSP 3 thru 9). Large voids and other cavities should be filled with recommended filler or surfacer.

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.

DRYWALL Sand joint compound smooth and feather edge.

WOOD Sand rough areas. Seal knots and pitch pockets. Fill cracks and nail holes before primer is topcoated.

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.
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 used as a tank lining or in enclosed areas, 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 or 275 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.

VOLITILE 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 micons). See APPLICATION for coverage rates.

NUMBER OF COMPONENTS

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

PACKAGING

	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

EPOXOPRIME® | SERIES 201

NET WEIGHT PER GALLON	9.50 ± 0.25 lbs (4.31 ± .11 kg) (mixed)
STORAGE TEMPERATURE	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	(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)
SHelf LIFE	12 months at recommended storage temperature.
FLASH POINT - SETA	N/A
HEALTH & SAFETY	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.
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.
Spray application equipment includes a Graco "King" 45:1 or 56:1 airless spray pump or other airless spray equipment of equal or greater configuration and capability. Pump assembly should include a moisture trap and oiler, air regulator with gauge and fluid outlet drain valve. When spraying these nonfibred coatings, a high pressure manifold and 60 mesh filter is recommended. Use a 3/8" to 1/2" I.D. material hose (4,000-5,000 psi working pressure rating). A Graco silver gun or equivalent may be used. The preferred tips with orifices ranging from .019" to .033" should be mounted in a Graco H.D. RAC Housing/Guard assembly. The suggested operating air pressure is 80 to 90 psi. **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.

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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