



# EVEN-FLOW SL<sup>®</sup> SERIES 210

## PRODUCT PROFILE

<b>GENERIC DESCRIPTION</b>	Aggregate-Filled Modified Polyamine Epoxy
<b>COMMON USAGE</b>	A high gloss, high build, self-leveling epoxy topping for concrete floors. It imparts an ultra smooth, aesthetically pleasing finish in a variety of colors, while providing protection against various acids and alkalis, abrasion and frequent cleaning.
<b>COLORS</b>	Available in the 16 standard StrataShield colors. Special colors available, please contact your Tnemec representative. <b>Note:</b> 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.
<b>FINISH</b>	Gloss

## COATING SYSTEM

<b>SURFACER/FILLER/PATCHER</b>	Series 206, 215. <b>Note:</b> 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.
<b>PRIMERS</b>	<b>Concrete Floors:</b> Series 201, 205, 208, 237, 238, 241.
<b>TOPCOATS</b>	Series 247, 248, 280, 281, 282, 290, 291, 294, 295, 296, 297

## SURFACE PREPARATION

<b>HORIZONTAL CONCRETE</b>	<p>Prepare surfaces by method suitable for exposure and service. Refer to the appropriate primer data sheet for specific recommendations.</p> <p>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). <b>Note:</b> 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.</p> <p>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. <b>Note:</b> 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.</p>
<b>ALL SURFACES</b>	Must be clean, dry and free of oil, grease and other contaminants.

## TECHNICAL DATA

<b>VOLUME SOLIDS</b>	100% (mixed) †															
<b>RECOMMENDED DFT</b>	30.0 to 100.0 mils (750 to 2500 microns) per coat. Additional coats may be required for appearance.															
<b>CURING TIME</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Temperature</th> <th style="text-align: center;">To Topcoat</th> <th style="text-align: center;">To Place in Service</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">75°F (24°C)</td> <td style="text-align: center;">10-24 hours</td> <td style="text-align: center;">24 hours</td> </tr> </tbody> </table> <p><b>Note:</b> If more than 24 hours have elapsed between coats, the coated surface must be mechanically abraded before topcoating.</p>	Temperature	To Topcoat	To Place in Service	75°F (24°C)	10-24 hours	24 hours									
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<b>VOLATILE ORGANIC COMPOUNDS</b>	0.06 lbs/gallon (7 grams/litre) †															
<b>THEORETICAL COVERAGE</b>	1,604 mil sq ft/gal (39.4 m <sup>2</sup> /L at 25 microns). See APPLICATION for coverage rates. †															
<b>NUMBER OF COMPONENTS</b>	Three: Liquids — Part A and Part B (2 Parts A to 1 Part B by volume.) Aggregate Filler: Part C															
<b>PACKAGING</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">PART A</th> <th style="text-align: center;">PART B</th> <th style="text-align: center;">PART C</th> <th style="text-align: center;">Mixed Yield</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Large Kit</td> <td style="text-align: center;">2-5 gallon pails</td> <td style="text-align: center;">1-5 gallon pail</td> <td style="text-align: center;">5-29 lb cartons</td> <td style="text-align: center;">21.6 gal. (81.8L)</td> </tr> <tr> <td style="text-align: center;">Small Kit</td> <td style="text-align: center;">2-1 gallon cans</td> <td style="text-align: center;">1 gallon can</td> <td style="text-align: center;">1-29 lb carton</td> <td style="text-align: center;">4.3 gal. (16.3L)</td> </tr> </tbody> </table>		PART A	PART B	PART C	Mixed Yield	Large Kit	2-5 gallon pails	1-5 gallon pail	5-29 lb cartons	21.6 gal. (81.8L)	Small Kit	2-1 gallon cans	1 gallon can	1-29 lb carton	4.3 gal. (16.3L)
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<b>NET WEIGHT PER GALLON</b>	13.70 ± 0.25 lbs (6.23 ± .11 kg) (mixed) †															
<b>STORAGE TEMPERATURE</b>	Minimum 40°F (4°C) Maximum 90°F (32°C) <b>Note:</b> 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.															
<b>TEMPERATURE RESISTANCE</b>	(Dry) Continuous 250°F (121°C) Intermittent 275°F (135°C)															
<b>SHELF LIFE</b>	12 months at recommended storage temperature.															
<b>FLASH POINT - SETA</b>	N/A															
<b>HEALTH &amp; SAFETY</b>	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. <b>Keep out of the reach of children.</b>															

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## 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 <sup>2</sup> /Gal)
Horizontal	30.0-100.0 (750-2500)	30.0-100.0 (750-2500)	16-53 (1.5-4.9)

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 gallons of Part A component, and while under agitation, add 1 gallon of 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. Slowly sift in entire contents of Part C aggregate-filler while under constant agitation using power mixer until thoroughly mixed. Immediately after mixing, material should be dispensed from containers onto floor surface to prevent settling of Part C. **Note:** The Part C component is packaged by weight and is designed to be added to 3 gallons of mixed 210 liquids. The ratio of Parts A, B & C should not be altered. Apply the mixed material within pot life limits after agitation.

**THINNING**

Do not thin.

**POT LIFE**

45 to 50 minutes at 70°F (21°C) 35 to 40 minutes at 80°F (27°C) 25 to 30 minutes at 90°F (32°)

**APPLICATION EQUIPMENT**

Notched squeegee, notched trowel or gauge rake, porcupine roller (squeegee, trowel or rake and porcupine roll).

**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.

† Values may vary with color.

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