



PRODUCT PROFILE

<b>GENERIC DESCRIPTION</b>	Ceramic-Modified Waterborne Aliphatic Polyurethane
<b>COMMON USAGE</b>	Low odor, fast dry, low VOC, waterborne polyurethane coating for interior wall and floor applications. Provides enhanced abrasion resistance, stain resistance and color stability. This user friendly product has easy application and clean-up characteristics and may be applied over a properly prepared aged coating (test patch is recommended for compatibility). Contact your Tnemec representative for more details.
<b>COLORS</b>	Refer to Tnemec and StrataShield Color Guide. <b>Note:</b> Certain colors may require multiple coats depending on method of application and finish coat color. When feasible, the preceding coat should be in the same color family.
<b>FINISH</b>	Gloss - <b>Note:</b> Final gloss level of topcoat can vary depending on number of coats applied. One coat will generally result in a lower sheen than two coats of the material.
<b>SPECIAL QUALIFICATIONS</b>	The resin used to manufacture this product was a recipient of the EPA's "Green Chemistry Challenge Award."
<b>PERFORMANCE CRITERIA</b>	Contact your Tnemec representative for specific test results.

COATING SYSTEM

<b>PRIMERS</b>	<p><b>Concrete:</b> Series 27WB, 66, L69, L69F, N69, N69F, V69, V69F, 84•, 104, 113•, 114•, 156•, 161, 201, 205, 237, 238, 270, 273, 280, 281, 287. •For use on vertical surfaces only. <b>Note:</b> Two coats are required over Series 201 primer to ensure proper hide and coverage. Certain products listed above may be suitable for use as intermediate coats. Contact your Tnemec Representative for complete system recommendations. When applying Series 297 over a broadcast or mortar system, an epoxy grout coat is required.</p> <p><b>CMU:</b> 130, 156, 218, 1254. Intermediate coat required (any of the above).</p> <p><b>Drywall:</b> Series 27WB, 151, 287</p> <p><b>Steel:</b> Series 27, 27WB, 66, L69, L69F, N69, N69F, V69, V69F, 84, 104, 161, 287</p> <p><b>Galvanized Steel and Non-Ferrous Metal:</b> Series 27WB, 66, L69, L69F, N69, N69F, V69, V69F, 161</p> <p><b>Note:</b> A minimum recoat of 24 hours at 75°F (24°C) applies when using Series 27WB. Reference the Series 27WB product data sheet for additional cure information. More than one finish coat of Series 297 is required when used over Series 27WB to achieve uniform and desired gloss level.</p>
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SURFACE PREPARATION

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

<b>VOLUME SOLIDS</b>	57 ± 2.0% (mixed) †												
<b>RECOMMENDED DFT</b>	2.0 to 3.0 mils (50 to 75 microns) per coat. <b>Note:</b> Application of coating below minimum or above maximum recommended dry film thicknesses may adversely affect coating aesthetics and performance. Number of coats and thickness requirements will vary with substrate, application method and exposure. Contact your Tnemec representative.												
<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 Recoat</th> <th style="text-align: center;">To Service</th> <th style="text-align: center;">Full Cure</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">75°F (24°C)</td> <td style="text-align: center;">8 hours</td> <td style="text-align: center;">24 hours</td> <td style="text-align: center;">72 hours</td> </tr> </tbody> </table> <p>Curing time varies with surface temperature, air movement, humidity and film thickness.</p>	Temperature	To Recoat	To Service	Full Cure	75°F (24°C)	8 hours	24 hours	72 hours				
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<b>VOLATILE ORGANIC COMPOUNDS</b>	<p><b>Unthinned:</b> 0.74 lbs/gallon (89 grams/litre)</p> <p><b>Thinned 15%:</b> 0.74 lbs/gallon (89 grams/litre) †</p>												
<b>THEORETICAL COVERAGE</b>	914 mil sq ft/gal (22.4 m <sup>2</sup> /L at 25 microns). †												
<b>NUMBER OF COMPONENTS</b>	Two: Part A and Part B												
<b>MIXING RATIO</b>	By volume: 4 (Part A) to 1 (Part B)												
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<b>NET WEIGHT PER GALLON</b>	11.98 ± 0.25 lbs (5.45 ± .11 kg) †												
<b>STORAGE TEMPERATURE</b>	Minimum 40°F (4°C) Maximum 110°F (43°C) Protect from freezing.												
<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>	Part A: >200°F (93°C) Part B: >200°F (93°C)												
<b>HEALTH &amp; SAFETY</b>	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. <b>Keep out of the reach of children.</b>												

# ENVIRO-GLAZE® | SERIES 297

## APPLICATION

### COVERAGE RATES

	Dry MILS (Microns)	Wet MILS (Microns)	Sq Ft/Gal (m <sup>2</sup> /Gal)
Suggested	2.5 (65)	5.0 (125)	366 (34.0)
Minimum	2.0 (50)	4.0 (100)	457 (42.5)
Maximum	3.0 (75)	6.0 (150)	305 (28.3)

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

Stir contents of the container marked Part A, making sure no pigment remains on the bottom. Add the contents of the container marked Part B to Part A **while under mechanical agitation**. Continue agitation until the two components are thoroughly mixed. Continue mechanical agitation and add potable water for thinning according to the thinning instructions. **Note:** Product must be thinned for proper application. Do not use mixed material beyond pot life limits. **Caution: Part B is moisture-sensitive and will react with atmospheric moisture. Keep unused material tightly closed at all times. Do not reseal mixed material. An explosion hazard may be created.** Unused material should be thinned with equal amounts of water by volume and disposed of properly.

### THINNING

Use potable water for brush or roller. **Note:** Product must be thinned for proper application. For airless spray, thin up to 15% per gallon for wall applications or up to 20% per gallon for floor applications. **Important: Thin with mechanical agitation only after Part B has been thoroughly mixed with Part A according to mixing instructions. Exceeding pot life may affect gloss.**

### POT LIFE

2 hours at 77°F (25°C) **Note:** Exceeding pot life may result in lower gloss finish.

### APPLICATION EQUIPMENT

#### Airless Spray

Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
0.011"-0.015" (230-330 microns)	2700-3000 psi (207-241 bar)	1/4" or 3/8" (6.4 or 9.5 mm)	60-100 mesh (250-150 microns)

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions.

**Roller:** Use high quality 1/4" nap, shed resistant, woven fabric roller cover.

**Brush:** Use high quality synthetic or nylon bristle brush.

**Horizontal:** Apply by roller. Brush small areas only.

**Vertical:** Roll or spray and backroll. Brush small areas only.

Material can be transferred to the surface through application equipment including a Graco "King" 45:1 or 56:1 airless spray pump or other airless spray equipment of equal or greater configuration and capability, immediately followed by backrolling. **Note:** Spraying should only be considered as means to transfer the material to the surface. Uniform film thickness may be difficult to achieve without backrolling. Caution should be exercised to not exceed recommended maximum 6 mils WFT.

### SURFACE TEMPERATURE

Minimum 40°F (4°C) Maximum 120°F (49°C)  
The surface should be dry and at least 5°F (3°C) above the dew point.

### CLEANUP

Flush and clean all equipment immediately after use with water and flush with xylene.

† Values may vary with color.

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