



# ENVIRO-GLAZE® CLEAR SERIES 296

## PRODUCT PROFILE

**GENERIC DESCRIPTION** Ceramic-Modified Waterborne Aliphatic Polyurethane

**COMMON USAGE** A clear, low odor, fast dry, low VOC, waterborne polyurethane floor coating for interior wall and floor applications. Provides enhanced abrasion resistance and stain resistance. 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.

**COLORS** Clear

**FINISH** Gloss

**SPECIAL QUALIFICATIONS** The resin used to manufacture this product was a recipient of the EPA's "Green Chemistry Challenge Award."

**PERFORMANCE CRITERIA** Contact your Tnemec representative for specific test results.

## COATING SYSTEM

**PRIMERS** **Concrete:** Series 201, 203, 205, 280, 281, 287.

**INTERMEDIATE** Series 205, 210, 222, 223, 224, 237, 238, 280, 281, 284, 285, 287 and 297. **Note:** When applying Series 296 over a broadcast or mortar system, an epoxy grout coat is required.

## SURFACE PREPARATION

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

## TECHNICAL DATA

**VOLUME SOLIDS** 53 ± 2.0% (mixed) †

**RECOMMENDED DFT** 2.0 to 3.0 mils (50 to 75 microns) per coat. **Note:** 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.

CURING TIME	Temperature	To Touch	To Recoat	To Service	Full Cure
	75°F (24°C)	2 hours	8 hours	24 hours	72 hours

Curing time varies with surface temperature, air movement, humidity and film thickness.

**VOLATILE ORGANIC COMPOUNDS** **Unthinned:** 1.08 lbs/gallon (129 grams/litre)  
**Thinned 20%:** 1.08 lbs/gallon (129 grams/litre) †

**THEORETICAL COVERAGE** 842 sq ft/gal (20.7 m<sup>2</sup>/L at 25 microns) †

**NUMBER OF COMPONENTS** Two: Part A and Part B

**MIXING RATIO** By volume: 3 (Part A) to 1 (Part B)

PACKAGING	PART A (Partially filled)	PART B	When Mixed Yield
Large Kit	5 gallon pail	1 gallon can	4 gallons (15.2L)
Small Kit	1 gallon can	1 quart can	1 gallon (3.79L)

**NET WEIGHT PER GALLON** 9.14 ± 0.25 lbs (4.15 ± .11 kg) †

**STORAGE TEMPERATURE** Minimum 40°F (4°C) Maximum 110°F (43°C)  
Protect from freezing.

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

**SHELF LIFE** 12 months at recommended storage temperature.

**FLASH POINT - SETA** Part A: 136°F (58°C) Part B: > 200°F (93°C)

**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.**

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**APPLICATION**

**COVERAGE RATES**

	<b>Dry MILS (Microns)</b>	<b>Wet MILS (Microns)</b>	<b>Sq Ft/Gal (m<sup>2</sup>/Gal)</b>
Suggested	2.5 (65)	4.5 (115)	369 (34.3)
Minimum	2.0 (50)	3.5 (90)	461 (42.8)
Maximum	3.0 (75)	5.0 (125)	307 (28.6)

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. 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. 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. Caution: Do not reseal mixed material. An explosion hazard may be created.**  
**Note:** Mixing ratio is 3 (Part A) to 1 (Part B) by volume.

**THINNING**

Use potable water. **Note:** Product must be thinned for proper application. For brush or roller, thin up to 10% or six to sixteen ounces (380 mL) per gallon **Note:** Thin with mechanical agitation only after Part B has been thoroughly mixed with Part A according to mixing instructions.

**POT LIFE**

4 hours at 77°F (25°C)

**APPLICATION EQUIPMENT**

**Roller:** Use 1/4" to 3/8" (6.4 mm to 9.5 mm) synthetic woven nap cover. Do not use medium or long nap roller covers. Two coats are required to obtain recommended film thickness.

**Brush:** Recommended for small areas only. Use high quality natural or synthetic bristle brushes.

**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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