StrataShield

PRODUCT DATA SHEET

# TNEME-GLAZE SERIES 282

## PRODUCT PROFILE

**GENERIC DESCRIPTION** Polyamine Novolac Epoxy

**COMMON USAGE** A highly chemical- and solvent-resistant colored novolac glaze coating for walls, floors and other surfaces. Provides improved aesthetics and additional protection against abrasion, impact, and most acids, alkalis and solvents.

**COLORS** 33GR Gray ANSI No. 61, 46GR Sinker, 42BL blue Channel, 91GN Balsam, 35GR Black, 28RD Monterrey Tile. **Note:** Epoxies chalk and yellow with age, extended exposure to UV and artificial lighting. Caution should be taken when selecting white and light pastel colors. 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. Novolacs will stain with extended exposure to certain acids. As a result, darker colors are recommended.

**FINISH** Gloss. (Roller application provides an orange peel finish.)

## COATING SYSTEM

**SURFACER/FILLER/PATCHER** Series 63-1500, 130, 214, 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.

**PRIMERS** **Concrete:** Self-priming or Series 201, 203, 205
**CMU:** Self-priming over filled CMU
**Wood & Drywall:** Self-priming or Series 201, 203

**INTERMEDIATE** Series 210, 237, 238, 239, 279, 273, 275

**TOPCOATS** Series 282 if additional film thickness is desired.

## SURFACE PREPARATION

Prepare surfaces by method suitable for exposure and service. Refer to the appropriate primer data sheet for specific recommendations.

**HORIZONTAL CONCRETE** When self-priming: Allow new concrete to cure 28 days. Verify dryness by testing for moisture with a "plastic film tape-down 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. Large voids and other cavities should be filled with recommended filler or surfacer. (Reference SSPC-SP13, ICRI CSP3)

**VERTICAL CONCRETE** When self-priming: 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** When self-priming: Allow new mortar to cure 28 days. Surfaces must be clean, dry, sound and free of all contaminants. Level all protrusions and mortar spatter. For pinhole free surface, use recommended surfacer/filler/patcher.

**ALL SURFACES** Must be clean, dry and free of oil, grease and other contaminants.

## TECHNICAL DATA

**VOLUME SOLIDS** 100% (mixed) †

**RECOMMENDED DFT** **Horizontal:** 6.0 to 12.0 mils (150 to 305 microns) per coat.
**Vertical:** 4.0 to 8.0 mils (100 to 205 microns) per coat.

**CURING TIME**

| Temperature | To Topcoat | To Place in Service • | Full Cure |
|---|---|---|---|
| 75°F (24°C) | 8-24 hours | 24 hours | 5 days |

If more than 24 hours have elapsed between coats, the Tneme-Glaze coated surface must be mechanically abraded before topcoating. • **Note:** 24 hour cure provides for traffic, secondary containment and certain mild chemical exposures. Up to five days cure is required for certain severe chemical exposures. Contact your Tnemec representative or Tnemec Technical Services.

**VOLITILE ORGANIC COMPOUNDS** 0.13 lbs/gallon (16 grams/litre) †

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

**NUMBER OF COMPONENTS** Two: Part A and Part B (1 Part A to 1 Part B by volume)

**PACKAGING** KITS CONSIST OF:

| | PART A | PART B | When Mixed Yield |
|---|---|---|---|
| Large Kit | 5 gallon pail | 5 gallon pail | 10 gallons (37.9 L) |
| Small Kit | 1 gallon can | 1 gallon pail | 2 gallons (7.57 L) |

**NET WEIGHT PER GALLON** 11.51 ± 0.25 lbs (5.2 ± .11 kg) mixed †

**STORAGE TEMPERATURE** Minimum 40°F (4°C) Maximum 90°F (32°C)
Prior to application, the material temperature should be between 70°F and 90°F (21°C and 32°C).

**TEMPERATURE RESISTANCE** (Dry) Continuous 275°F (135°C) Intermittent 300°F (149°C)

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

**FLASH POINT - SETA** Part A: 180°F (82°C) Part B: N/A

# TNEME-GLAZE | SERIES 282

**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 (m²/Gal) |
|---|---|---|---|
| Horizontal | 6.0-12.0 (150-305) | 6.0-12.0 (150-305) | 134-267 (12.4-24.8) |
| Vertical | 4.0-8.0 (100-205) | 4.0-8.0 (100-205) | 201-401 (18.6-37.3) |

Allow for overspray and 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 1 part 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. Apply the mixed material within pot life limits after agitation.
**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) per gallon to improve application properties. Brush and roll application use No. 2 Thinner. Spray application use No. 42 Thinner.

**POT LIFE**

25 to 30 minutes at 75°F (24°C) 15 to 20 minutes at 80°F (27°C) 8 to 10 minutes at 90°F (32°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" nap, shed resistant, woven fabric roller cover.
**Brush:** Use high quality synthetic or nylon bristle brush.
**Horizontal:** Squeegee and backroll. Brush small areas only.
**Vertical:** Roll or spray and backroll. 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 nonfibered 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 only be considered as 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.

**† Values may vary with color.**