WALL BOARD, WOOD & DRYWALL

VOLATILE ORGANIC COMPOUNDS

TECHNICAL DATA

SURFACE PREPARATION

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

HORIZONTAL CONCRETE

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 sq ft per 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). Note: 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.

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 abrasive concrete surfaces to remove laitance, curing compounds, hardeners, sealers and other contaminants and to provide a minimum ICRI-CSP 5 or greater surface profile. Large cracks, voids and other surface imperfections should be filled with a recommended filler or surfacer. Note: 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.

VERTICAL CONCRETE

When self-priming: Allow new concrete to cure 28 days. Abrasive blast or mechanically abrasive 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.

WALL BOARD, WOOD & DRYWALL

Must be clean, dry and free of oil, grease and other contaminants. Note: When using moisture resistant and/or high impact wall board or cement board in wet environments, utilize Series 215 and fiberglass tape or compound suitable for wet environments.

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.

Additional coats may be required for appearance or hiding.

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.

VOLATILE ORGANIC COMPOUNDS

Unthinned: 0.19 lbs/gallon (23 grams/litre)
Thinned 5% (No. 2 Thinner): 0.52 lbs/gallon (65 grams/litre) †
Thinned 5% (No. 42 Thinner): 0.50 lbs/gallon (60 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)
APPLICATION

Before commencing, obtain and thoroughly read the StrataShield Installation and Application Guide for floors.

<table>
<thead>
<tr>
<th>COVERAGE RATES</th>
<th>Horizontal</th>
<th>Vertical</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dry Mils</strong> (Microns)</td>
<td>6.0-12.0 (150-305)</td>
<td>4.0-8.0 (100-205)</td>
</tr>
<tr>
<td><strong>Wet Mils</strong> (Microns)</td>
<td>6.0-12.0 (150-305)</td>
<td>4.0-8.0 (100-205)</td>
</tr>
<tr>
<td><strong>Sq Ft/Gal</strong> (m²/Gal)</td>
<td>134-267 (12.4-24.8)</td>
<td>201-401 (18.6-37.5)</td>
</tr>
</tbody>
</table>

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 6.4 ounces (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

Airless Spray:

Roller: Use high quality 3/8” to 1/2” shed resistant, synthetic woven nap 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. Spraying should only 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 (5°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.

PRODUCT DATA SHEET

TNEME-GLAZE | SERIES 282

KITS CONSIST OF:

<table>
<thead>
<tr>
<th>NET WEIGHT PER GALLON</th>
<th>PART A</th>
<th>PART B</th>
<th>When Mixed Yield</th>
</tr>
</thead>
<tbody>
<tr>
<td>11.51 ± 0.25 lbs (5.2 ± 0.11 kg) mixed †</td>
<td>5 gallon pail</td>
<td>5 gallon pail</td>
<td>10 gallons (37.9 L)</td>
</tr>
<tr>
<td>Small Kit</td>
<td>1 gallon can</td>
<td>1 gallon pail</td>
<td>2 gallons (7.57 L)</td>
</tr>
</tbody>
</table>

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 275°F (135°C)  Intermittent 300°F (149°C)

12 months at recommended storage temperature.

FLASH POINT - SETA

Part A: 180°F (82°C)  Part B: N/A

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.

WARRANTY & LIMITATION OF SELLER’S LIABILITY: Tnemec Company, Inc. warrants only that its coatings represented herein meet the formulation standards of Tnemec Company, Inc. THE WARRANTY DESCRIBED IN THE ABOVE PARAGRAPH SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. The buyer’s sole and exclusive remedy against Tnemec Company, Inc. shall be for replacement of the product in the event a defective condition of the product should be found to exist and the exclusive remedy shall not have failed its essential purpose as long as Tnemec is willing to provide comparable replacement product to the buyer. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, ENVIRONMENTAL INJURIES OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. Technical and application information herein is provided for the purpose of establishing a general profile of the coating and proper coating application procedures. Test performance results were obtained in a controlled environment and Tnemec Company makes no claim that these tests or any other tests, accurately represent all environments. As application, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the coating.