**TEMPERATURE RESISTANCE**
- Part A: 78°F (26°C)
- Part B: N/A

**STORAGE TEMPERATURE**
- Part A: 55°F (13°C)
- Part B: 65°F (18°C)
- Minimum 35°F (2°C)
- Maximum 75°F (24°C)

**NET WEIGHT PER GALLON**
- 23.94 ± 0.60 lbs (10.86 ± .27 kg)

**THEORETICAL COVERAGE**
- 1,011 mil sq ft/gal (24.8 m²/L at 25 microns). See APPLICATION for coverage rates.

**FLASH POINT - SETA**
- Part A: 78°F (26°C)
- Part B: N/A

**SAFETY PRECAUTIONS**
- Keep out of the reach of children.
- Safety Data Sheet for important health and safety information prior to the use of this product.
- 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.

**COMMON USAGE**
- Series 90-97 meets AISC requirements of Class B surface with a mean slip coefficient no less than 0.50 and a tension creep not in excess of 0.05 inches (1.3mm).
- Tneme-Zinc uses a zinc pigment which meets the requirements of ASTM D 520 Type III and contains less than 0.002% lead. This level qualifies it to be classed as "non-lead" (less than 0.0009% lead by weight) as defined in 16 CFR Part 1303 of the Consumer Product Safety Commission regulations. Conforms to SSPC Paint 20, Type II.

**SHELF LIFE**
- Series 90-97 must be exterior exposed for three days prior to topcoating with Series 1028 or 1029.
- Series 90-97 must be exterior exposed for one day prior to topcoating with Series 27WB.

**CURING TIME**

<table>
<thead>
<tr>
<th>Temperature</th>
<th>To Handle</th>
<th>To Recoat</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F (24°C)</td>
<td>1 hour</td>
<td>4 hours</td>
</tr>
<tr>
<td>65°F (18°C)</td>
<td>1 1/2 hours</td>
<td>5 hours</td>
</tr>
<tr>
<td>55°F (13°C)</td>
<td>2 hours</td>
<td>6 hours</td>
</tr>
<tr>
<td>45°F (7°C)</td>
<td>2 1/2 hours</td>
<td>7 hours</td>
</tr>
<tr>
<td>35°F (2°C)</td>
<td>3 hours</td>
<td>8 hours</td>
</tr>
</tbody>
</table>

† 50% relative humidity. Curing time will vary with surface temperature, humidity and film thickness. Note: For faster curing, low humidity and low-temperature applications, add No. 44-710 Urethane Accelerator (see separate product data sheet).

**THEORETICAL COVERAGE**
- 1,011 mil sq ft/gal (24.8 m²/L at 25 microns). See APPLICATION for coverage rates.

**NUMBER OF COMPONENTS**
- Two: Part A and Part B
- Four-Gallon and One-Gallon Kits: Consist of one premeasured container of liquid (Part A) and one premeasured container of powder (Part B). When mixed, yields four gallons (15.1L) or one gallon (3.79L).

**NET WEIGHT PER GALLON**
- 23.94 ± 0.60 lbs (10.86 ± .27 kg)

**STORAGE TEMPERATURE**
- Minimum 20°F (-7°C)  Maximum 110°F (43°C)

**TEMPERATURE RESISTANCE**
- Dry (Continuous) 250°F (121°C)  Intermittent 300°F (149°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.
**Tnemec Company Inc.**
6800 Corporate Drive  Kansas City, Missouri 64120-1372   1-800-TNEMEC1   Fax: 1-816-483-3969   www.tnemec.com

## PRODUCT DATA SHEET

**TNEME-ZINC | SERIES 90-97**

### APPLICATION

**COVERAGE RATES**

<table>
<thead>
<tr>
<th></th>
<th>Dry Mils (Microns)</th>
<th>Wet Mils (Microns)</th>
<th>Sq Ft/Gal (m²/Gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Suggested</td>
<td>3.0 (75)</td>
<td>5.0 (125)</td>
<td>537 (31.3)</td>
</tr>
<tr>
<td>Minimum</td>
<td>2.5 (65)</td>
<td>4.0 (100)</td>
<td>404 (57.5)</td>
</tr>
<tr>
<td>Maximum</td>
<td>3.5 (90)</td>
<td>5.5 (140)</td>
<td>289 (26.9)</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**

Always use the entire contents of A and B components. Use an air-driven power mixer and keep material under constant agitation while mixing. Slowly sift powder (Part B) into liquid (Part A).

**THINNING**

For spray, thin up to 10% or 3/4 pint (380 mL) per gallon with No. 2 Thinner if temperatures are below 80°F (27°C). Thin up to 10% or 3/4 pint (380 mL) per gallon with No. 3 Thinner if temperatures are above 80°F (27°C). For brush or roller, thin up to 10% or 3/4 pint (380 mL) with No. 3 Thinner.

**POT LIFE**

8 hours at 77°F (25°C) and 50% R.H.

**APPLICATION EQUIPMENT**

**Air Spray**

<table>
<thead>
<tr>
<th>Gun</th>
<th>Fluid Tip</th>
<th>Air Cap</th>
<th>Air Hose ID</th>
<th>Mat'l Hose ID</th>
<th>Atomizing Pressure</th>
<th>Pot Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>DeVilbiss JGA †</td>
<td>E</td>
<td>765 or 704</td>
<td>5/16” or 3/8” (7.9 or 9.5 mm)</td>
<td>3/8” or 1/2” (9.5 or 12.7 mm)</td>
<td>40-50 psi (2.8-3.4 bar)</td>
<td>10-20 psi (0.7-1.4 bar)</td>
</tr>
</tbody>
</table>

† (with heavy mastic spring) Low temperatures or longer hoses will require additional pressure. Use pressure pot equipped with an agitator and keep pressure pot at same level or higher than the spray gun. Compressed air must be dry.

**Airless Spray**

<table>
<thead>
<tr>
<th>Tip Orifice (450-515 microns)</th>
<th>Atomizing Pressure</th>
<th>Mat’l Hose ID (250 microns)</th>
<th>Manifold Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.017”-0.021”</td>
<td>40-50 psi</td>
<td>1/4” or 3/8” (6.4 or 9.5 mm)</td>
<td>60 mesh</td>
</tr>
</tbody>
</table>

Use appropriate tip/atomizing pressure for equipment, applicator technique and weather conditions. Keep material agitated to prevent settling.

**Roller**: Use 1/4” or 3/8” (6.4 mm or 9.5 mm) synthetic woven nap roller covers. Stir material frequently or keep under agitation to prevent settling.

**Brush**: Use high quality natural or synthetic bristle brushes.

**SURFACE TEMPERATURE**

Minimum 35°F (2°C) Maximum 140°F (60°C) Maximum for Brush & Roller 120°F (49°C)

The surface should be dry and at least 5°F (5°C) above the dew point. **Note**: Series 44-710 Accelerator must be used if the surface temperature is 35°F to 60°F (2°C to 16°C) and 20% to 40% relative humidity.

**AMBIENT HUMIDITY**

Minimum 20%  Maximum 90%

Flush and clean all equipment immediately after use with the recommended thinner or xylene.

Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon height of work, weather conditions and equipment adjustment. Low temperature is of particular concern. Test for each application series and/or wear conditions. Low temperature is of particular concern. Test for each application.

Flush and clean all equipment immediately after use with the recommended thinner or xylene.

Dry overspray can be wiped or washed from most surfaces. Satisfactory dry-fall performance depends upon height of work, weather conditions and equipment adjustment. Low temperature is of particular concern.

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>COLOR</th>
<th>MINIMUM DRY FILM THICKNESS</th>
<th>RANGE DRY FILM THICKNESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Primer</td>
<td>Dark</td>
<td>0.002” (50 microns)</td>
<td>0.002” (50 microns)</td>
</tr>
<tr>
<td>Finish</td>
<td>White</td>
<td>0.004” (100 microns)</td>
<td>0.004” (100 microns)</td>
</tr>
</tbody>
</table>

**CLEANUP**

**CAUTION**

Note: When finish coats are white or light colors, best hiding of this dark color primer can be achieved by spray application.

**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.