PRODUCT PROFILE

GENERIC DESCRIPTION
Polyamine Epoxy

COMMON USAGE
A high-performance, fiberglass-reinforced wall coating for protection against acids, alkalis and physical abuse. Stranlok’s 100% solids epoxy technology is solventless and VOC compliant, making Stranlok virtually odorless and permitting application in occupied facilities. Its accelerated curing schedule and installation process mean faster return-to-service times. A unique blend of two types of premixed reinforcing fibers allows Stranlok to be spray or trowel applied up to 40 mils. The integrity of the interlocking fibers allows the surface to withstand daily high-pressure steam cleaning. In addition to this high tolerance to “thermal shock,” Stranlok also features broad chemical, impact and abrasion resistance.

COLORS
White. Note: Epoxies chalk and yellow with age, extended exposure to UV and artificial lighting. Lack of ventilation, incomplete mixing, miscatalyzation or the use of heaters that emit carbon dioxide and carbon monoxide during application and initial states of curing may cause amine blush, possibly affecting adhesion of subsequent topcoats.

COATING SYSTEM

SURFACE/PATCHER/FILLER
CMU, Concrete & Cement Board: Series 130, 215, 218, 1254. Series 201 mixed with fumed silica (refer to Technical bulletin 98-11). Refer to the applicable product data sheet for additional information. CMU or concrete must be filled or resurfaced with a recommended product prior to priming.

PRIMERS
Wood, Drywall & Pre-cast Concrete: Self-priming or Series 27WB, 201, 203 CMU: Series 201 over filled CMU

TOPCOATS
Series 22, 27WB, 73, 84, 113, 134, 280, 282, 287, 290, 297, 1080, 1081. Note: Series 270 must be topcoated with 22, 27WB, 84, 280 or 282 prior to application of other finish coats.

SURFACE PREPARATION
Prepare surfaces by method suitable for exposure and service. (See the primer/surfarcer/filler product data sheet and the Fiber Reinforced Systems Installation and Application Guide for specific recommendations.) Must be clean, dry and free of oil, grease and other contaminants.

TECHNICAL DATA

VOLUME SOLIDS
100% (mixed)

RECOMMENDED DFT
25 to 40 mils (635 to 1,015 microns) per coat.

CURING TIME

<table>
<thead>
<tr>
<th>Temperature</th>
<th>To Topcoat</th>
<th>To Place in Service †</th>
</tr>
</thead>
<tbody>
<tr>
<td>75°F (24°C)</td>
<td>12-24 hours</td>
<td>24 hours</td>
</tr>
</tbody>
</table>

Note: If more than 24 hours have elapsed between coats, the coated surface must be mechanically abraded before topcoating. † Note: Severe service may require a longer curing time. Contact your Tnemec representative or Tnemec Technical Services. Curing time varies with surface temperature, air movement, humidity and film thickness.

VOLATILE ORGANIC COMPOUNDS

Unthinned: 02 lbs/gallon (3 grams/litre)
Thinned 3% (No. 42 Thinner): 22 lbs/gallon (26 grams/litre)

1.604 mil sq ft/gal (39.4 m²/L at 25 microns). See APPLICATION for coverage rates.

THEORETICAL COVERAGE

Two. Part A (epoxy) and Part B (amine)

NUMBER OF COMPONENTS

KITS CONSIST OF:

<table>
<thead>
<tr>
<th>PART A (Partially filled)</th>
<th>PART B (Partially filled)</th>
<th>When Mixed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Kit</td>
<td>6 gallon pail</td>
<td>3 gallon pail</td>
</tr>
<tr>
<td>Medium Kit</td>
<td>3 1/2 gallon pail</td>
<td>1 gallon can</td>
</tr>
<tr>
<td>Small Kit</td>
<td>1 gallon can</td>
<td>1 gallon can</td>
</tr>
</tbody>
</table>

PACKAGING

NET WEIGHT PER GALLON
10.70 ± 0.25 lbs (4.83 ± .11 kg) (mixed)

STORAGE TEMPERATURE
Minimum 40°F (4°C) - Maximum 90°F (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 and Part B: N/A

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.

Published technical data and instructions are subject to change without notice. The online catalog at www.tnemec.com should be referenced for the most current technical data and instructions or you may contact your Tnemec representative for current technical data and instructions.

© June 30, 2014 by Tnemec Company Inc.
Before commencing, obtain and thoroughly read the Fiber Reinforced Systems Installation and Application Guide.

**Coverage Rates**

<table>
<thead>
<tr>
<th>Dry Mils (Microns)</th>
<th>Wet Mils (Microns)</th>
<th>Sq Ft/Gal (m²/Gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-40 (635-1,015)</td>
<td>25-40 (635-1,015)</td>
<td>40-65 (3.7-6.0)</td>
</tr>
</tbody>
</table>

Allow for overspray and surface irregularities. Application of coating below minimum or above maximum recommended dry film thickness may adversely affect coating performance.

**Note:** If spray applied, two coats applied 30 minutes to 2 hours apart (depending on temperature) are normally required to achieve 25 to 40 mils (635-1,015 microns) DFT without runs or sags.

**Mixing**

Use a variable speed drill with a PS Jiffy blade. Premix the entire contents of Part A. Using a flexible blade spatula empty the entire contents of the Part B container into the center of the premixed Part A and mix for a minimum of two minutes. During mixing, scrape the container wall to aid in complete blending of the two components. **Note:** The materials are packaged by weight and the ratio of Part A to Part B should not be altered. Apply the mixed material within pot life limits after agitation.

**Note:** Refer to the Fiber Reinforced Systems Installation and Application Guide for detailed information.

**Caution:** Do not reseal mixed material. An explosion hazard may be created.

**Thinning**

Normally not required. May thin up to 3% with No. 42 Thinner for spray application.

**POT LIFE**

25 to 30 minutes at 70°F (21°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 or trowel. For detailed instructions refer to the Fiber Reinforced Systems Installation and Application Guide.

<table>
<thead>
<tr>
<th>Spray Gun</th>
<th>Pump Size</th>
<th>Tip Orifice</th>
<th>Atomizing Pressure</th>
<th>Mat'l Hose ID</th>
<th>Manifold Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Graco Mastic Flow Gun (Model 207-945)</td>
<td>45:1, 56:1, X50 or X60</td>
<td>0.035”-0.047” (890-1,194 microns)</td>
<td>3000-4500 psi (207-310 bar)</td>
<td>1/2” (12.7 mm)</td>
<td>N/R</td>
</tr>
</tbody>
</table>

**Note:** Graco H.D. RAC Housing/Guard assembly and H.D. tip sizes ranging from 0.035” to 0.047” may be used. **Note:** Material needs to be gravity fed through an attached material hopper. Material will not feed through a suction tube. Contact Tnemec Technical Service for more information.

**Brush or Trowel:** Recommended for small areas only.

**Surface Temperature**

Minimum 70°F (21°C) ~ Maximum 90°F (32°C)

The substrate temperature should be dry and at least 5°F (3°C) above the dew point.

**Material Temperature**

For optimum handling and application characteristics, both material components should be conditioned between 70°F (21°C) and 90°F (32°C) prior to application. For applications below 70°F (21°C), contact your Tnemec representative for instructions and precautions. Temperatures will affect workability. Cool temperatures increase viscosity and decrease workability.

**Cleanup**

Flush and clean all equipment immediately after use with MEK or No. 74 Thinner.

---

**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, EXRESSED 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.**

© June 30, 2014 by Tnemec Company Inc.