

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

SURFACER/FILLER/PATCHER **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, 114, 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

ALL SURFACES Prepare surfaces by method suitable for exposure and service. (See the primer/surfacer/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

Temperature	To Topcoat	To Place in Service †
75°F (24°C)	12-24 hours	24 hours

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)

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 (epoxy) and Part B (amine)

PACKAGING KITS CONSIST OF:

	PART A (Partially filled)	PART B (Partially filled)	When Mixed
Large Kit	6 gallon pail	3 gallon pail	5 gallons (18.9 L)
Medium Kit	3 1/2 gallon pail	1 gallon can	2 1/2 gallons (9.46 L)
Small Kit	1 gallon can	1 gallon can	1 gallon (3.79 L)

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)
Prior to application, the material temperature should be between 70°F and 90°F (21°C and 32°C). It is suggested the material be stored at these temperatures at least 48 hours prior to use.

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.

STRANLOK® | SERIES 270

APPLICATION

COVERAGE RATES

Before commencing, obtain and thoroughly read the Fiber Reinforced Systems Installation and Application Guide.

Dry MILS (MICRONS)	Wet MILS (MICRONS)	Sq Ft/Gal (m ² /Gal)
25-40 (635-1015)	25-40 (635-1015)	40-65 (3.7-6.0)

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 reseat 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.

Airless Spray

Spray Gun	Pump Size	Tip Orifice	Atomizing Pressure	Mat'l Hose ID	Manifold Filter
Graco Mastec Flow Gun (Model 207-945)	45:1, 56:1, X50 or X60	0.035"-0.047" (890-1194 microns)	3000-4500 psi (207-310 bar)	1/2" (12.7 mm)	N/R

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.

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