



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:** Series 130, 216, 218, 219. Series 201 or 280 mixed with fumed silica (refer to Technical bulletin 98-11R-1). Refer to the applicable product data sheet for additional information.

PRIMERS **Wood & Drywall:** Self-priming or Series 201
CMU & Concrete: Series 201

TOPCOATS Series 73, 84, 113, 114, 280, 282, 290, 297, 1074, 1075. Refer to the applicable topcoat data sheet for color availability and additional information.

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 Touch	To Topcoat	To Place in Service †	Full Cure
75°F (24°C)	4-6 hours	8-24 hours	3 days	7 days

If more than 24 hours have elapsed between coats, the Stranlok 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.

VOLITILE ORGANIC COMPOUNDS .02 lbs/gallon (2 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

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 pail	2 1/2 gallons (9.46 L)
Small Kit	1 gallon can	1/2 gallon pail	1 gallon (3.79 L)

NET WEIGHT PER GALLON Touch-up/Repair Kit: Contact your Tnemec representative for more information.
10.70 ± 0.25 lbs (4.83 ± .11 kg) (mixed)

APPROX. SHIPPING WEIGHT Large Kit: 57 lbs (25.9 kg)
Medium Kit: 29 lbs (13.2 kg)
Small Kit: 12 lbs (5.4 kg)
Touch-up Kit: 3 lbs (1.4 kg)

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 reseal mixed material. An explosion hazard may be created.

THINNING

Normally not required.

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.

TEMPERATURE REQUIREMENT

For optimum application, handling and performance, the surface and material temperatures during application should be between 70°F and 90°F (21°C and 32°C). For application below 70°F (21°C), contact your Themec representative for instructions and precautions. The substrate temperature should be dry and at least 5°F (3°C) above the dew point. Temperature will affect the workability. Cool temperatures increase viscosity and decrease workability.

CLEANUP

Flush and clean all equipment immediately after use with MEK or Propylene Glycol Monomethyl Ether.

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