

SELECTION & SPECIFICATION DATA

Description	Sanitile 945 SL is a 100% solids, high performance, epoxy coating designed for concrete. Sanitile 945 SL is a self-leveling coating which may be applied as a neat, aggregate filled and/or reinforced coating system. Sanitile 945 SL is acceptable for use in USDA inspected facilities and is specially formulated to withstand some of industry's most aggressive chemicals.
Features	<ul style="list-style-type: none"> • Excellent resistance to chemical attack • Excellent abrasion and impact resistance • Exceptional thermal shock resistance • Superior bonding qualities • High cohesive strength • Low permeability • Low odor
Color	Standard colors: Off-white (1898), Medium Grey (C703), Light Gray (C705), Tan (0217), Blue (4169), and Tile Red (0516)
Typical Uses	<ul style="list-style-type: none"> • Process Areas • Tank Farm Floors • Production Areas • USDA inspected facilities • Spill Containment Areas • Light Manufacturing
VOC Values	<p>As Supplied : 0.02 lbs/gal (2 grams/liter)</p> <p>0.02 lbs/gal (2 grams/liter)</p>

SUBSTRATES & SURFACE PREPARATION

General	Proper preparation is critical to ensure an adequate bond. The substrate must be dry and free of all wax, grease, oils, fats, soil, loose or foreign materials and laitance. Laitance and unbonded cement particles must be removed by mechanical methods, i.e., abrasive blasting or scarifying. Other contaminants may be removed by scrubbing with a heavy-duty industrial detergent and rinsing with clean water.
Steel	Equipment base plates, etc. to be coated along with the concrete should be abrasive blasted to a near white metal finish (SSPC-10 or NACE-2) with a 1 to 2 mils anchor profile.
Concrete or CMU	<ul style="list-style-type: none"> • Should be properly cured for 28 days • Substrate tensile strength of at least 300 psi • pH in the range of 7 to 11 • The surface <u>must</u> show open pores throughout and have a sandpaper texture
Special Instruction	<ul style="list-style-type: none"> • Apply only on clean, sound, dry and properly prepared substrates. • Minimum ambient and surface temperatures are 50°F/10°C • Maximum surface temperatures should not exceed 90°F/32°C • Substrate temperature should be greater than 5°F/3°C above dew point. • Application and curing times are dependent upon ambient and surface conditions.

Sanitile 945 SL

PRODUCT DATA SHEET



PERFORMANCE DATA

All test data was generated under laboratory conditions. Field testing results may vary.

Test Method	Results
Bond Strength (ASTM D-4541)	> 400 psi (100% concrete failure)
Compressive Strength ASTM C-579: AFC	13,500 psi
Flammability	Non-flammable
Flexural Modulus of Elasticity (ASTM D-790) (ASTM C-580)	Neat: 3.5×10^5 psi Reinforced: 6.1×10^5 psi Aggregate Filled: 9.7×10^5 psi
Flexural Strength (ASTM D-790) (ASTM C-580)	Neat: 7,200 psi Reinforced: 13,000 psi Aggregate Filled: 5,300 psi
Hardness (ASTM D-2240, Shore D)	Neat: 70
Permeability (ASTM E96)	0.0042 perm. -in.
Tensile Strength (ASTM D-638)	Neat: 5,500 psi Reinforced: 7,800 psi
Water Vapor Transmission (ASTM E-96)	0.0120 grams/hr.ft ²
Weight per Mixed Gallon	9.9 lbs

Warming the materials (components A and B, aggregate) to 70- 85°F/21-29°C twenty-four hours before application will facilitate handling.

MIXING & THINNING

Mixing | Sanitile 945 SL has a 2.2:1 mix ratio by volume and is available in 1 gallon and 5 gallon units.
1 gallon unit consists of:
1 gallon (partial) can of Part A (resin)
1 gallon (partial) can of Part B (hardener)
5 gallon unit consists of:
5 gallon (partial) pail of Part A (resin)
3 gallon (partial) pail of Part B (hardener)

Ratio | Sanitile 945 SL has a 2.2:1 mix ratio by volume and is available in 1 gallon and 5 gallon units.

Pot Life | 45 to 60 min.* at 75°F. *Significantly less at elevated temperatures.

CURING SCHEDULE

Surface Temp.	Dry to Touch	Foot Traffic	Light Vehicular
24°C (75°F)	12 Hours	24 Hours	36 Hours

PACKAGING, HANDLING & STORAGE

Shelf Life | The shelf life is minimum one year in the original, unopened container.

Storage Temperature & Humidity | Store all components between 40-110°F/4-43°C in a dry area. Keep out of direct sunlight.

Storage | Avoid excessive heat. KEEP FROM FREEZING.

WARRANTY

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