

XS-327™ ANTIMICROBIAL TECHNICAL DATA SHEET



DESCRIPTION

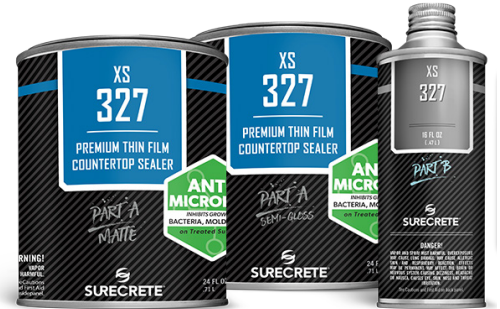
XS-327™ ANTIMICROBIAL is a specially formulated two component, moisture-cure, high solids hybrid water based polyurethane coating designed for application over completed concrete surfaces. XS-327 ANTIMICROBIAL is a penetrating, UV stable, minimal color enhancing sealer, available in both matte and gloss finishes. At 64% solids (varies upon reduction rate) and 25 g/L VOC this high performance clear top coat generates the premier balance of strength, flexibility, chemical and scratch resistance.

XS-327 ANTIMICROBIAL is ideally suited for both commercial and residential settings applied upon concrete countertops, fireplace surrounds, shower panels, floor tiles, wall panels, and all Xtreme Series products. Like some other sealers, XS-327 ANTIMICROBIAL becomes food safe upon curing.

Formulated with an antimicrobial agent, it further contributes to safety and wellness by inhibiting the growth of bacteria, mold and algae on treated surfaces in food service, medical, commercial and residential environments. It is stain resistant to most household chemicals and culinary items, and is heat resistant to 300°F (149°C). XS-327 ANTIMICROBIAL is distinctive in its ability to be touched up or repaired.

XS 327 ANTIMICROBIAL is also suitable for numerous interior or exterior surfaces including but not limited to polished concrete, broom finish concrete, stained concrete, decorative concrete, exposed concrete, honed and polished travertine, white Carrera marble, natural stone, pavers, synthetic stone, unglazed tile, and brick. It excels in performance on vertical and horizontal surfaces. Examples of vertical surface included but are not limited to Precast walls, block walls, decorative concrete walls, and paver retaining walls. Suitability tests are recommended for each substrate to help determine coverage rates. Can be applied to fresh concrete as soon as 14 days, 24-48 hours for thin overlayment's.

XS 327 ANTIMICROBIAL invisibly protects chemically hardened industrial floors, commercial facilities, machine shops, auto repair facilities from oil, salts and water damage. It helps protect from prolonged exposure to food items such as vinegar, soda, and pickle juice



QUICK FACTS

Product Name

XS-327 ANTIMICROBIAL

Packaging

40 oz. kit

1 – 1 qt (0.9 L) short filled can part A (containing 24 oz. [0.7 L])

1 – 1 pt (0.47 L) can part B

Mixing Ratio

3:2 (3 parts A to 2 parts B)

Coverage

Approximately 100 ft² per qt. (9.3 m² per 0.9 L) of catalyzed and diluted product

4 mils wet / completed system 2 mils cured

Shelf Life

Under normal, moisture free conditions, 12 months for unopened container.

Planning

1. Provide for ventilation. Select appropriate PPE. Refer to SDS.
2. Mask/shield surrounding areas not intended for coating.

Mixing and handling

1. Organize mixing station that neither has to relocate, nor block the progress of application.
2. Product will become unstable after opening, open only when ready to use.
3. Pour contents of part B into part A's 1 gallon (3.7 liter) can.
4. Mechanically mix complete kit both parts A and B for 3 minutes at slow to medium speed with a jiffy style mixer.
5. Add mixed components into a 3-gallon bucket.
6. Add water to the 3-gallon mark approximately 1 1/2" (3.8 cm) from overflow).
7. Mechanically mix for 3 minutes at slow to medium speed with a jiffy style mixer.

First Coat

1. Pour catalyzed, water reduced product into pump-up sprayer equipped with a cone tip.
2. Spray light mist of product on the intended substrate. Surface should be SSD at 100% coverage avoiding puddles.
3. Using a micro fiber applicator, evenly spread product and eliminate any puddling.

- Allow 1-3 minutes for product to penetrate the substrate.

Second Coat (if necessary)

- Porous areas, areas of heavy traffic, or high levels contamination and staining will require a second application.
- After 2 hours after first coat, second coat may be applied.
- Second coat applies as described above for first coat.

24 hours after application of second coat, surface is ready for light duty use.

7 days after application of second coat, complete cure is achieved and surface is ready for full use.

SOLIDS CONTENT

XS-327 ANTIMICROBIAL is packaged at 64% solids. In recommended application as described above, note solids content below:

	(water : catalyzed mix)	% solids
First coat	4:1	11%
Second coat	4:1	11%

Wet water areas, integral sinks, and some commercial applications may benefit from additional coat(s).

SUITABILITY SAMPLE

Always prepare an adequate number of test areas, including wear protection system and aesthetic suitability for products' intended use.

CLEAN-UP

Before XS-327 ANTIMICROBIAL dries; spills and tools can be cleaned up with a solvent such denatured alcohol.

DISPOSAL

Contact your local government household hazardous waste coordinator for information on disposal of unused product. Upon curing, left over catalyzed product is not hazardous.

LIMITATIONS

For use by trained professionals that have read the complete SDS.

WARRANTY

Warranty of this product, when used according to the directions, is limited to refund of purchase price, or replacement of product (if defective), at manufactures/seller's option. SureCrete Design Products shall not be liable for cost of labor or direct and/or incidental consequential damages.

CAUTIONS

KEEP OUT OF REACH OF CHILDREN. Avoid sources of ignition. Keep areas ventilated to prevent the accumulation of vapors. Inhalation: Use NIOSH approved respirator for organic vapors. Skin Contact: Skin contact may cause irritation. Remove contaminated clothing and wash affected skin with soap and water. Launder clothing before reuse. If symptoms persist, seek medical attention. Eyes: Wear safety eye protection when applying. If contact occurs, flush eyes with water for 15 minutes, seek medical attention.

SHELF LIFE

Under normal, moisture free conditions 12 months for unopened container.

TEST DATA

Appearance (cured)	Translucent matte or gloss
Water Resistance	Excellent, beads water
Mechanical Stability	Excellent
Light Stability	Excellent
Solids	64% as packaged
Appearance (wet)	Milky
Odor	Sweet
Application Temperature	60°F – 90°F (16°C - 32°C)
VOC content	25 g/L before dilution
Pot life	Approximately 30 mins
Gardener direct / reverse impact	>160 inch pounds
Taber abrasion	40-60 mg loss
QUV – A	<5.0 @ 2000 hours
Gloss retention	>95% @ 2000 hours

CHEMICAL RESISTANCE

Industrial Chemicals	24 hours
MEK (methyl ethyl ketone)	no effect
Xylene	no effect
Tap Water	no effect
Mineral Spirits	no effect
100% Ethanol	no effect
10% acetic acid	no effect
5% sodium hydroxide	no effect
50% sodium hydroxide	no effect
85% lactic acid	no effect
50% sulfuric acid	no effect
38% hydrochloric acid	no effect
10% sodium chloride solution	no effect
28% ammonia	no effect
Household Chemicals	24 hours
Coffee	no effect
Cola	no effect
Grape juice	no effect
Ketchup	no effect
Mustard	transient staining
Clorox Bleach 5 – 10%	no effect

SAFETY DATA SHEETS

The following are links to all available safety data sheets related to this product:

XS-327 ANTIMICROBIAL Part A, Matte
XS-327 ANTIMICROBIAL Part A, Semi-Gloss
XS-327 Part B

PRODUCT PART #'S

Part A - XS 327 ANTIMICROBIAL Matte	SKU# 45102008
Part A - XS 327 ANTIMICROBIAL Semi-Gloss	SKU# 45102009
Part B - XS 327	SKU# 45102002