



SWANSTONE

technical data



SWANSTONE

SPECIFICATIONS AND TECHNICAL DATA SHEET

Product

Swanstone Reinforced Solid Surface Products

Manufacturer

Swan, St. Louis, Missouri with manufacturing facilities in Centralia, Illinois.

Product Composition

Swanstone is a compression-molded compound that consists of a blend of polymer resins, fillers and reinforcement additives. In the manufacturing process, Swanstone transforms into a thermoset material that has extreme resistance to heat, impact, expansion, and chemicals.

Product Category

Swanstone is available in bath walls, integral top and bowl vanity tops, kitchen sinks, kitchen countertops, bar sinks, undermount bowls and blank vanity tops. Offset vanity top bowl locations are available.

Colors

Swanstone is available in a variety of solid and aggregate colors, including three eco-friendly colors.

Warranties

Swanstone wall panels and trim kits, vanity tops and bowls, kitchen and bar sinks, window trim kits and shower floors are covered by a limited lifetime warranty for residential applications. For commercial applications Swan offers the following limited warranties:

25-Year Limited Warranty on wall panels and trim kits.

25-Year Limited Warranty against thermal cracking on our vanity tops and bowls.

10-Year Limited Warranty against defects on countertops.

10-Year Limited Warranty against defects and/or thermal cracking on our kitchen sinks and bar sinks.

10-Year Limited Warranty against warping, blistering, loss of color, or fading on shower floors. Complete details and product warranty application for both residential and commercial are available by writing to Swan.

Maintenance

Swanstone should be cleaned as you would any other fine kitchen or bath fixture. For kitchen sinks and countertops, rinse any food or beverage residue as soon as possible; follow up with normal household cleaners. To remove residue that cannot be rinsed away or removed with other types of cleaners, use powdered abrasive cleaners and/or a nylon or plastic scrubbing pad. Vanity tops should be cleaned with normal

household cleaners. Cleaners designed for removing mineral-based stains can be used on Swanstone, as well as a mild solution (50/50) of chlorine bleach and water. In the event of a scratch, start with powdered abrasive cleaner and a scrubbing pad; if further attention is needed, use white automotive rubbing compound or light sanding with a 400 grit or 40 micron sandpaper.

Application

Any interior, horizontal and vertical surface application. Also, available for kitchen sink, shower floor, lavatory bowl and bar sink applications.

Limitations

Swanstone products are not recommended for exterior use. Material should not be used in areas exposed to sustained temperatures exceeding 450 degrees F. Follow all recommended installation procedures provided by manufacturer.

Finish

The decorative surface of Swanstone is a matte finish equal to a 320 grit sandpaper (gloss reading of 25). A higher sheen can be produced by buffing the product with commercial rubbing compound.

Flat Sheet Stock Tolerance

Flat sheet products used in shower walls, wainscoting, trim kits etc.:
+/- 0.080 inches

Flat sheet products with the side opposite the show side processed through a grinding operation:
+/- 0.030 inches

Fabrication flat sheet products with the side opposite the show side processed through a grinding operation, and the show side sanded and finished:
+/- 0.030 inches

Availability

Swanstone is available nationwide through local stocking distributors. Contact Swan for your nearest distributor.

Cost

Cost varies with product category. Contact your local distributor for applicable costs.

Installation

Swanstone reinforced solid surface products are shipped with complete installation manuals provided with every unit. Consult the specific product installation manual for step-by-step installation procedures. All manuals are available through Swan or your local distributor.

Chemical And Stain Resistance

Chemical and Stain Resistance—NEMA LD3-3.09 No lasting effect on Swanstone occurred from the exposure to the following.

Urea (6%)
Vinegar

Class I Chemicals

Solvents
Acetone
Amyl Acetate
Benzene
Carbon Tetrachloride
Ethyl Ether
Gasoline/Kerosene
Ethanol
Methanol
Toluene
Chloroform
Ethyl Acetate
Naphtha

Other

Ammonia (10%)
Iodine
Lye (1%)
Mercurochrome
Nail Polish Remover
Potassium Permanganate
Silver Nitrate (10%)
Sodium Bisulfate
Sodium Hypochlorite (5%)
Trisodium Phosphate

Class II Chemicals

Acids
Furfural
Methylene Chloride
Nitric Acid (30%, 70%)*
Phenol
Acids (99.5%)
Citric
Hydrochloric (20%)
Phosphoric
Sulfuric (77.96%)*
Trichlor Acetic
Formic
Hydrogen Peroxide

Alkalies
Ammonium Hydroxide
Sodium Hydroxide
(10% & 40%)
Sodium Hydroxide Flake

*May cause slight lightening.



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PROPERTY TEST	TYPICAL RESULTS	TEST
Impact Resistance	No damage 1-1/2 Diameter Steel Ball. Over 72"	NEMA LD-3
Izod Impact		
Method A (with notch)	3.0 ft. - lb./in.	ASTM D256
Method E (reverse notch)	4.0 ft. - lb./in.	ASTM D256
Stain Resistance	Passes	CSA B45.5/IAPMO Z124-2011
Cigarette Resistance	Passes	CSA B45.5/IAPMO Z124-2011
Boiling Water Resistance	No effect	NEMA LD-3
High Temperature Resistance	Slight effect	NEMA LD-3
Abrasion Assistance	Passes	ASTM D4060
Color Fastness and Aging	No change	NEMA LD-3
Tensile Strength	4439 PSI	ASTM D638
Tensile Modulus	7.48 x 10 ⁵ PSI	ASTM D638
Tensile Elongation	.45%	ASTM D638
Hardness	Barcol Hardness: 51 Rockwell RB Hardness: 60.5 15-T Hardness: 34.7	ASTM D2583
Slip Resistance	Passes	ASTM F462
Fungus Resistance	Passes: 0 growth	ASTM G21-96
Bacterial Resistance	Passes: 0 growth	ASTM G22-90
Wear and Cleanability	Passes	CSA B45.5/IAPMO Z124-2011
Flexural Strength	8225 PSI	ASTM D790
Flexural Modulus	7.49 x 10 ⁵ PSI	ASTM D790
Thermal Expansion	1.23 x 10 ⁻⁵ in/in/°F	ASTM D696
Gloss (60°)	40	NEMA LD3
Water Absorption	.321%	ASTM D570
Specific Gravity	1.55	

FLAMMABILITY

Flame Spread Index	Meets Class A	ASTM E84
Smoke Developed Index	85	ASTM E84
Fire Rating	Class A	

Approximate weight per square foot 2 lbs. for 1/4" sheet. See product guide for actual weights.

RATINGS AND LISTINGS

American National Standard
Institute-ANSI Z124.3 and Z124.6

National Plumbing Code of Canada
CSA B45 Series

International Association
of Plumbing and
Mechanical Officials
(IAPMO)-listed

New York City Material Acceptance
Application #298-88-M

Housing and Urban Development
-HUD UM 73 Certified

Swanstone® is NSF
Standard 51 Certified for
Both Food and Splash
Zone Applications

TECHNICAL SERVICES

Please call (800) 325-7008 or email us at help@swanstone.com. Visit Swanstone.com for details, including specifications and drawings.

