

SOLID SURFACE PRODUCTS SPECIFICATION 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 integral top and bowl vanity tops, bathtub surrounds, shower walls, kitchen sinks, kitchen countertops, undermount sinks, bar sinks, drop-in lavatories, undermount bowls, blank vanity tops and table tops. Offset vanity top bowl locations are available.

Colors

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

Warranties

Swanstone wall panels and trim kits, vanity tops and bowls, drop-in 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 counter-tops.

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.

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.

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
Urea (6%)
Vinegar

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 | 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 Resistance | 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 | 1.98 x 10 ⁻⁴ 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

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

National Plumbing Code of Canada
CSA 1345 Series

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



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

Housing and Urban Development
-HUD UM 73 Certified

Technical Services

Please call (800) 325-7008 or email us at infomail@swanstone.com. Visit our website www.swanstone.com for details including dimensional autocad drawings.