

Product

BSI reinforced solid surface products.

Manufacturer

Blake Solutions is headquartered in Memphis, TN, USA with manufacturing facilities in Mexico and China.

Product Composition

BSI solid surface is a compression molded homogenous, non-porous material with color throughout. This material is a reinforced, modified acrylic filled with natural minerals.

Product Category

BSI solid surface is available in integral top and bowl vanity tops, kitchen countertops, tub / shower surround panels, and window sills.

Colors

BSI solid surface is available in a variety of solid and aggregate colors, yet is versatile and can match most competitor's colors.

Finish

The decorative surface is a matte finish equal to a 320 grit sandpaper (gloss reading of 25).

Availability

BSI solid surface is available nationwide.

Application

Any interior, horizontal, and vertical surface application.

Maintenance

BSI solid surface should be cleaned as you would with any other kitchen or bath fixture. For kitchen 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 plastic scrubbing pad. Vanity tops should be cleaned with normal household cleaners. Cleaners designed for removing mineral-based stains can be used, as well as a mild solution (50/50) of chlorine bleach and water. In the event of a scratch, start out with a powdered abrasive cleaner and a scrubbing pad. If further attention is needed, use a white automotive rubbing compound or light sanding with a 400 grit or 40 micron sandpaper.

Limitations

BSI solid surface products are not recommended for exterior use and should not be used in areas exposed to sustained temperatures exceeding 450 degrees F.

Installation

Installation instructions are available through Blake Solutions for all solid surface products.

Cost

Cost varies with product category. Contact Blake Solutions for applicable costs.

Warranty

BSI solid surface products offer a 1-year limited warranty.

Damage caused by physical or chemical abuse from excessive heat will not be warranted.

Chemical and Stain Resistance

Impact Resistance	Passes	NEMA LD-3
Chemical Resistance	Passes	NEMA LD3-3.09
Stain Resistance	Passes	ANSI-Z124.3
Cigarette Resistance	No lasting effect	ANSI-Z124.3
Boiling Water Resistance	No effect	NEMA LD-3
High Temp Resistance	No effect	NEMA LD-3
Abrasion Resistance	Passes	ASTM D4060
Color Stability	No effect	NEMA LD-3
Thermal Expansion	1.7x10 ⁻⁵ in.	ASTM D696
Tensile Strength	>5,300 psi	ASTM D638
Tensile Modulus	5.3 – 5.7E ⁶ psi	ASTM D638
Tensile Elongation	>0.1%	ASTM D638
Hardness	8.2 (MOHS)	ASTM D785
Bacterial Resistance	No growth	ASTM G-22
Wear and Cleanability	Passes	ANSI Z124.3
Gloss (60°)	18.5	ANSI Z124
Water Absorption	.035	ASTM D570
Specific Gravity	2.45	ASTM D792

Flammability

BSI solid surface is provided in Class A or Class I rated material. Test results are as follows:

Flame Spread Index	FSI<10 for 3cm	ASTM E84
	FSI<15 for 2cm	
Smoke Developed Index	SDI<50 for 3cm	
	SDI<100 for 2cm	
Nominal Thickness	2cm and 3cm	
Nominal Weight	10 lbs. / sq. ft. for 2cm	
	15 lbs. / sq. ft. for 3cm	