

**Product**

BSI Quartz surface products.

**Manufacturer**

Blake Solutions is headquartered in Memphis, TN, USA with manufacturing facilities in Vietnam.

**Product Composition**

BSI quartz consists of 93% quartz crystals with the remaining 7% consisting of resins and fillers by weight. (66% and 34%, respectively, by volume)

**Product Category**

BSI quartz is available in vanity tops, kitchen countertops, window sills, shower / tub benches, and other various top applications.

**Colors**

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

**Finish**

The decorative surface can be offered in a polished or honed finish.

**Availability**

BSI quartz is available nationwide.

**Application**

Any interior, horizontal, and vertical surface application.

**Cost**

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

**Maintenance**

BSI quartz should be cleaned routinely with water and soft cloth.

For kitchen applications, rinse any food or beverage residue as soon as possible: follow up with a non-bleach, non-abrasive cleaner.

To remove residue that cannot be rinsed away or removed with other types of cleaners, use a non-abrasive cleaning pad paired with a glass and surface cleaner. Avoid using cleaners that contain bleach.

For materials that harden as they dry, remove by gently scraping away the excess with a plastic putty knife.

Avoid using permanent markers or inks as they may adhere to the surface. If those items come into contact with the surface, clean first as outlined above.

**Installation**

Blake Solutions also offers full turn-key installation of all products we furnish.

**Limitations**

BSI quartz products should not be used in areas exposed to sustained temperatures exceeding 450 degrees F. Avoid exposing quartz surfaces to strong chemicals and solvents such as furniture strippers or paint thinners.

**Warranty**

BSI quartz products offer a 1-year limited warranty.

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

**Technical Data**

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 <sup>-5</sup> in.	ASTM D696
Tensile Strength	>4,000 psi	ASTM D638
Tensile Modulus	5.3 – 5.7E <sup>6</sup> 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	.05	ASTM D570
Specific Gravity	2.4	ASTM D792

**Flammability**

BSI quartz 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	