



NORTHSTAR

True Direction. Clear Choice.

SILESTONE

QUARTZ SURFACING

TECHNICAL SPECIFICATIONS

Product Identification

SILESTONE quartz surfacing products.

Manufacturer

Silestone by Cosentino SA
Apdo No. 1, Macael 04867, Almeria, Spain

Product Description

Composition & Materials: SILESTONE is an engineered quartz crafted from the finest minerals. SILESTONE is more durable than polyester or acrylic solid surface or natural stone products. Stain, heat, and scratch resistant, SILESTONE is an elegant, low-maintenance surfacing product.

Basic Uses: SILESTONE can be used in a wide array of commercial and residential applications including: Countertops, flooring, interior wall facings, fireplace surrounds, vanities, tub surrounds, bar tops, and many other surfacing applications.

Sizes: Standard SILESTONE sheets are available in either 55" (140cm) or 52" (132cm) widths by 120" (305cm) lengths. Custom sizes may be available on special order products.

Thickness: All SILESTONE sheets are available in standard thickness of 7/16" (1.2cm), 3/4" (2cm), or 1 1/4" (3cm).

Colors: A complete selection of designer colors are available. Custom colors can be matched to order for large projects. Contact North Star for samples.

Finish: The factory finish of SILESTONE is a polish finish.

Weight: SILESTONE sheet stock of 7/16" (1.2cm) thickness weighs approximately 5.6 lbs. (2.5kg) per square foot.

Maintenance

SILESTONE requires very little maintenance. Simply wipe your SILESTONE surface with soap and warm water on a regular basis to maintain its beauty and shine for years to come. Standard non-abrasive household cleaners may also be used.

Stain and Chemical Resistance

Because of its non-porous construction, SILESTONE resists staining. Industry standard testing showed no lasting effect was noted after the prescribed exposure to common reagents.

Sanitary Use

SILESTONE has been tested and approved by the National Sanitation Foundation (NSF). Its inert and non-porous surface will not support the growth of bacteria and is ideal for food service and health-care facilities.

Flammability Rating

SILESTONE colors are Class I rated and meet all requirements for residential use and most commercial applications.

Fabrication and Installation

SILESTONE should always be fabricated and installed by authorized fabricators. A list of qualified fabricators in your area is available from your North Star representative.

Warranty

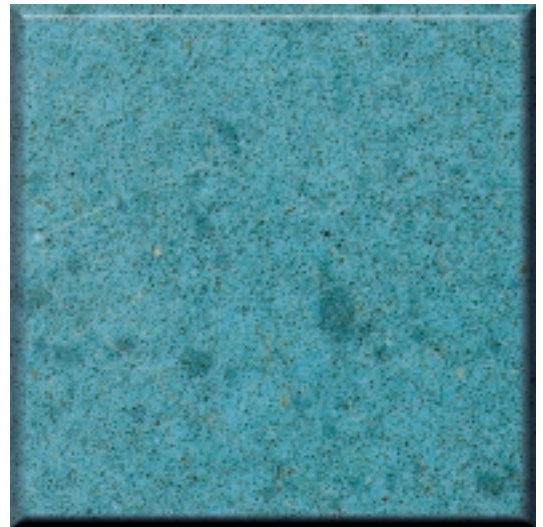
All SILESTONE products carry a 10 year residential and commercial warranty when properly installed by an authorized fabricator. For more information, contact your North Star representative at 800-383-9784.

Availability

SILESTONE is available through North Star by calling 800-383-9784 or visiting us online at www.nssurfaces.com.

Technical Support and Services

Contact North Star toll free at 800-383-9784, in the Minneapolis/St. Paul metropolitan area at 651-602-3200, or visit us online at www.nssurfaces.com. E-mail may be sent to techsupport@nssurfaces.com



Ph: 651.602.3200 **800.383.9784**
Fax: 651.602.3201 **800.378.9110**

North Star Surfaces, LLC
23 Empire Drive . St. Paul, MN 55103
www.nssurfaces.com



NORTHSTAR

True Direction. Clear Choice.

SILESTONE

QUARTZ SURFACING

TECHNICAL SPECIFICATIONS

TECHNICAL DATA

Property Tested	Standard	Typical Results <i>Class I</i>
Specific Gravity (oz./in ³)	ASTM C373	1.43
Hardness	ASTM D2583	60-65
Elongation (percent)	ASTM D638	0.43
Tensile strength (psi)	ASTM C880	5,620
Tensile modulus (psi)	ASTM C99	6.2 x 10 ³
Abrasion resistance (1000 cycles, grams)	ASTM C241	0.62
Water absorption (after 24 hours, percent)	ASTM C97	0.04
Izod impact (foot pounds per inch)	ASTM C256	.352
Impact resistance ½ lb	NEMA LD3-3.3	No fracture
Linear-thermal expansion	ASTM C531	1.747 x 10 ⁻⁵ in/in/°F
High temperature resistance	ASTM C484	No effect
Boiling Water resistance	NEMA LD3-3.5	No effect
Stain resistance	ASTM 650	No effect
Weight per square foot (7/16" thickness, lbs.)		5.6
Flame spread classification	ASTM E84	I
Friction coefficient	ADA Accepted	0.54 wet, 1.06 dry

SHEET SIZES (NOMINAL)

Width	Thickness	Length
55"	7/16" (1.2 cm)	120"
55"	3/4" (2 cm)	120"
55"	1¼" (3 cm)	120"
52"	7/16" (1.2 cm)	120"
52"	3/4" (2 cm)	120"
52"	1¼" (3 cm)	120"

TILE SIZES (NOMINAL)

Width	Thickness	Length
12"	7/16" (1.2 cm)	12"
16"	7/16" (1.2 cm)	16"
24"	7/16" (1.2 cm)	24"

SUGGESTED SHORT FORM SPECIFICATION

Scope of Work

Provide SILESTONE quartz surfaces as shown on the drawings and specifications herein:

Materials

SILESTONE sheets shall be supplied by North Star (800-383-9784).

Contact Name: _____.

Product shall be cut to size, seamed, and detailed by qualified fabricator/contractor in accordance with approved shop drawings. Colors shall be (specify) _____,

and surface finish shall be gloss.

Shop Drawings

Prior to fabrication, the contractor shall furnish and submit detailed shop drawings for the approval of the architect/designer, showing accurate dimensions and details of all SILESTONE quartz surface work.

Fabrication and Installation

The fabrication and installation of all SILESTONE surfaces detailed in this section shall be performed by an authorized fabrication shop in accordance with the manufacturer's printed instructions and final shop drawings.



Ph: 651.602.3200 800.383.9784
Fax: 651.602.3201 800.378.9110

North Star Surfaces, LLC
23 Empire Drive . St. Paul, MN 55103
www.nssurfaces.com