



## Surfacing Material

by COSENTINO

### Product Identification

ECO by Cosentino quartz surfacing products.

### Manufacturer

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

### Product Description

*Composition & Materials:* ECO by Cosentino is a durable surface made of 75% recycled content materials and is bound by an environmentally friendly resin which comes in part from corn oil.

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

*Sizes:* Standard ECO sheets are available in 63" (160cm) widths by 128" (325cm) lengths.

*Thickness:* All ECO sheets are available in standard thickness of 3/4" (2cm).

*Colors:* A complete selection of designer colors are available. Contact North Star for samples.

*Finish:* The factory finish of ECO is a polish finish.

*Weight:* ECO sheet stock of 3/4" (2cm) thickness weighs approximately 5.6 lbs. (4.2kg) per square foot.

### Maintenance

ECO requires very little maintenance. Simply wipe your ECO 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, ECO resists staining. Industry standard testing showed no lasting effect was noted after the prescribed exposure to common reagents.

### Sanitary Use

ECO 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

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

### Fabrication and Installation

ECO 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 ECO 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

ECO is available through North Star by calling 800-383-9784 or visiting us online at [www.nssurfaces.com](http://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](http://www.nssurfaces.com). E-mail may be sent to [techsupport@nssurfaces.com](mailto:techsupport@nssurfaces.com).



Ph: 651.602.3200 800.383.9784  
Fax: 651.602.3201 800.378.9110

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23 Empire Drive, St. Paul, MN 55103  
[www.nssurfaces.com](http://www.nssurfaces.com)



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### TECHNICAL DATA

Property Tested	Standard	Typical Results
Water Absorption and Bulk Specific Gravity	ASTM C97	0.02%: 2.29 gr/cm <sup>3</sup>
Water Absorption	ASTM C373	.05%
Bond Strength	ASTM C482	395 psi
Modulus of Rupture	ASTM C99	5424 psi average
Chemical Resistance	ASTM C650	see test results*
Stain Resistance	ASTM C1378	see test results
Flexural Strength	ASTM C880	5004 psi average
Flexural Strength	ASTM C674	6283 psi
Thermal Shock	ASTM C484	Passed 10 cycles
Compressive Strength	ASTM C170	25,156 psi average
Abrasive Resistance	ASTM C1353	79.40 average
Static Coefficient of Friction	ASTM C1028	dry 1.41
Static Coefficient of Friction	ASTM C1028	wet 0.50
Moisture Expansion	ASTM C370	0.04% average
Thermal Expansion	ASTM C531	Pending
Deicing	ASTM C672	Pending
Freeze-Thaw	ASTM C1026	Pending
Flame Spread	ASTM E84	Class 1/A
Smoke Toxicity	UPITT	81.4g PASSED Std > 19.7g required
Breaking Strength	ASTM C648	2795 lbf
MOH's Hardness		6.0

### SHEET SIZES (NOMINAL)

Width	Thickness	Length
63" (160cm)	3/4" (2cm)	128" (325cm)

### SUGGESTED SHORT FORM SPECIFICATION

#### Scope of Work

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

#### Materials

ECO 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 ECO quartz surface work.

#### Fabrication and Installation

The fabrication and installation of all ECO 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.



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