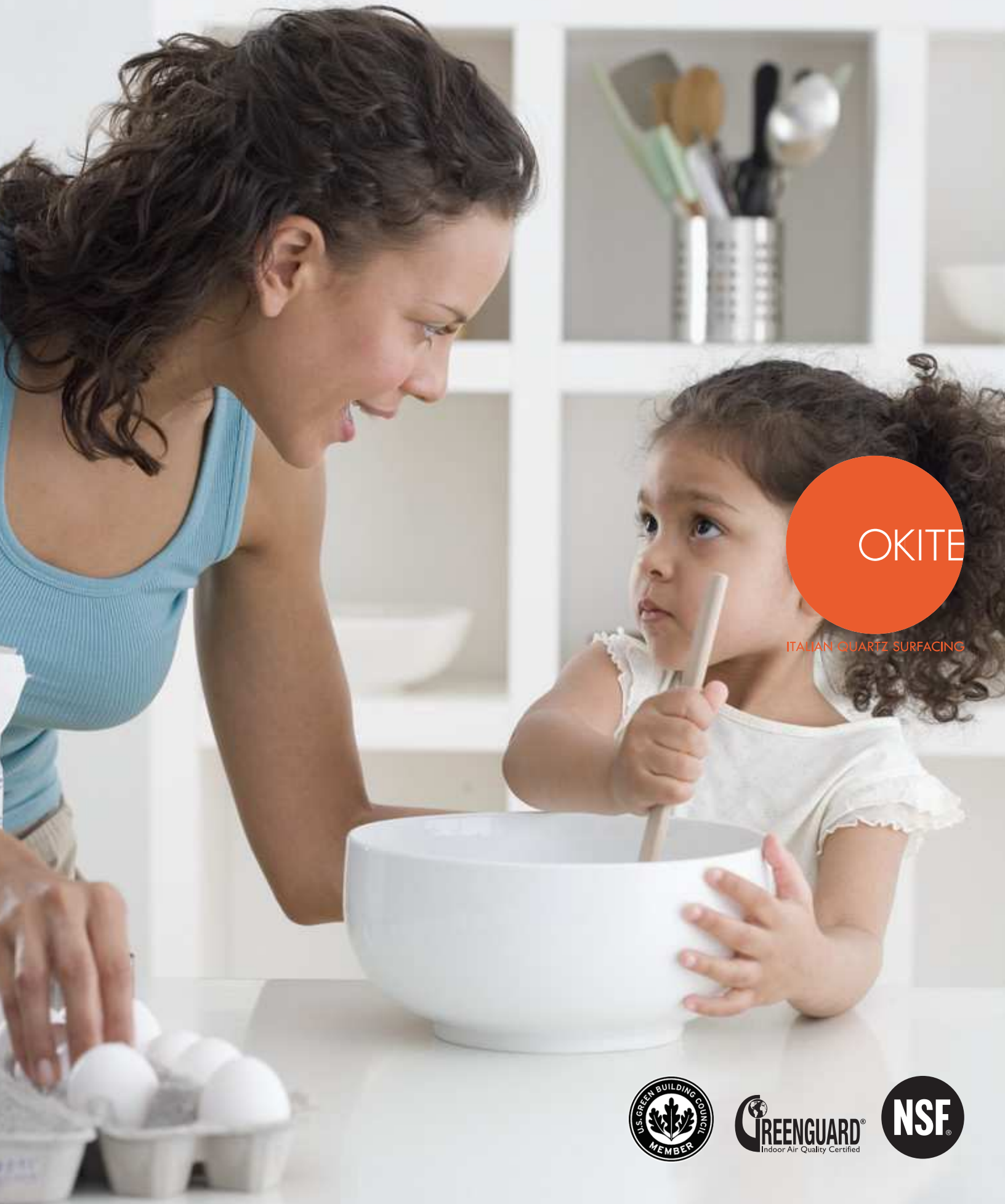


# OKITE & Indoor Air Quality



ITALIAN QUARTZ SURFACING



# Background

## Facts

In some recent articles allegations that granite may emit dangerous levels of radon and radiation have been raised. Radon is the second leading cause of lung cancer after smoking and is considered especially dangerous to smokers, whose lungs are already compromised. Children and developing fetuses are vulnerable to radiation, which can cause other forms of cancer.

## About OKITE® Certification for Indoor Air Quality

OKITE® is certified by GreenGuard Environmental Institute under the "GREENGUARD Standard for Low Emitting Products" and under the "GREENGUARD for Children & Schools product certification programSM", which means OKITE does not emit any gas or VOC (Volatile Organic Compounds). As result, OKITE® is a much safer than any other surfacing product.



ITALIAN QUARTZ SURFACING

## About OKITE® Quartz Surfacing and its applications

OKITE® is a natural quartz surfacing material. Highly stain and scratch resistant, this beautiful and durable non-porous material is easy to clean and never needs sealing or polishing – a distinctive advantage over granite, marble, limestone or soapstone, which all require routine maintenance. Available in an array of colors, OKITE® is the product of choice for nearly all environments, including residential, commercial, hospitality and healthcare projects. Additionally, OKITE® is certified by "NSF" since it does not support the growth of bacteria on its surface. "NSF" and GreenGuard Indoor Air Quality Certification make OKITE® the product of choice of high demanding Professionals and Consumers. Applications of OKITE® are all the indoor surfacing application for condominiums, hotels, healthcare and commercial projects such as: kitchen countertops, bathroom vanity tops, desks, reception counters, interior wall cladding, night stands, shower surrounds, bath tubs, shower floors and many other endless possibilities.

*More info: [www.okite.com](http://www.okite.com)*

## About GREENGUARD Environmental Institute

The GREENGUARD Environmental Institute (GEI) is an industry-independent, non-profit organization that oversees the GREENGUARD Certification Program. GEI's mission is to improve public health and quality of life through programs that improve indoor air. A GEI Advisory Board consisting of independent volunteers, who are renowned experts in the areas of indoor air quality, public and environmental health, building design and construction, and public policy, provides guidance and leadership to GEI.

*More info: [www.greenguard.org](http://www.greenguard.org)*

# GREENGUARD CERTIFICATE



**SEIEFFE**

**OKITE Quartz Surfacing**

This product has been GREENGUARD Indoor Air Quality Certified® by the GREENGUARD Environmental Institute under the GREENGUARD Standard for Low Emitting Products.

**Certification Details:**

<b>Certification No:</b>	<b>90080-1</b>
<b>Certification Status:</b>	<b>Certified</b>
<b>Certification Period(s):</b>	<b>04/2008- 04/2009</b>
<b>Certification Restrictions:</b>	<b>NONE</b>

**GREENGUARD Indoor Air Quality Standard for Low Emitting Products**

GREENGUARD Indoor Air Quality Certified Products meet the following minimum emission requirements:

**Category:** Surfacing Materials

<b>Emission Types</b>	<b>Standard</b>	<b>OEM</b>
Individual VOCs	< 0.1 TLV	< 0.1 TLV
Formaldehyde	< 0.05 ppm	< 0.025 ppm
4-phenylcyclohexene	< 0.0065 mg/m <sup>3</sup>	< 0.0033 mg/m <sup>3</sup>
Total VOCs	< 0.5 mg/m <sup>3</sup>	< 0.25 mg/m <sup>3</sup>
Total aldehydes	< 0.1 ppm	< 0.05 ppm

Listing of measured carcinogens and reproductive toxins as identified by California Proposition 65, the U.S. National Toxicology Program (NTP), and the International Agency on Research on Cancer (IARC) must be provided.

Any pollutant not listed must produce an air concentration level no greater than 1/10 the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, Cincinnati, Ohio 45211-4438).

Any pollutant regulated as a primary or secondary outdoor air pollutant must meet a concentration that will not generate an air concentration greater than that promulgated by the National Ambient Air Quality Standard (U.S. EPA, code of Federal Regulations, Title 40, Part 50).

For further product details, visit the product listing at [www.greenguard.org](http://www.greenguard.org). If you have any questions, contact the GREENGUARD Environmental Institute at 1.800.427.9681.



ITALIAN QUARTZ SURFACING

# GREENGUARD CERTIFICATE



SEIEFFE

OKITE Quartz Surfacing

This product has been GREENGUARD Indoor Air Quality Certified<sup>®</sup> by the GREENGUARD Environmental Institute under the GREENGUARD for Children & Schools<sup>SM</sup> product certification program.

#### Certification Details:

Certification No:	90080-1
Certification Status:	Certified
Certification Period(s):	04/2008- 04/2009
Certification Restrictions:	NONE

#### GREENGUARD Product Emission Standard for Children & Schools

GREENGUARD Indoor Air Quality Certified Products meet the following minimum emission requirements:

Product Category: Surfacing Materials	Product Sub Category: Stone
Individual VOCs <sup>1</sup>	< 1/100 TLV and < ½ CA chronic REL
Formaldehyde <sup>2</sup>	< 0.0135 ppm/13.5 ppb
Total VOCs <sup>3</sup>	< 0.22 mg/m <sup>3</sup>
Total Aldehydes <sup>4</sup>	< 0.043 ppm/43 ppb
Total Phthalates <sup>5</sup>	< 0.01 mg/m <sup>3</sup>
Total Particles (< 10µm) <sup>6</sup>	< 0.02 mg/m <sup>3</sup>

<sup>1</sup>Any VOC not listed must produce an air concentration level no greater than 1/100 the Threshold Limit Value (TLV) industrial work place standard (Reference: American Conference of Government Industrial Hygienists, 6500 Glenway, Building D-7, Cincinnati, Ohio 45211-4438) and no greater than 1/2 the CA Chronic Reference Exposure Level (CREL) [http://www.oehha.ca.gov/air/chronic\\_rels/AllChrels.html](http://www.oehha.ca.gov/air/chronic_rels/AllChrels.html) - (CRELs) Adopted by the State of California Office of Environmental Health Hazard Assessment (OEHA), February 2005).

<sup>2</sup>Formaldehyde criteria established so that emission levels reach 0.014ppm (13.5 ppb) within 14 days of installation (meeting CA 1350 requirements).

<sup>3</sup>Defined to be the total response of measured VOCs falling within the C<sub>6</sub> □ C<sub>16</sub> range, with responses calibrated to a toluene surrogate.

<sup>4</sup>Defined to be the total response of a specific target list of aldehydes (2-butenal; acetaldehyde; benzaldehyde; 2, 5-dimethylbenzaldehyde, 2-methylbenzaldehyde; 3-and/or 4-methylbenzaldehyde; butanal; 3-methylbutanal; formaldehyde; hexanal; pentanal; propanal), with each individually calibrated to a compound specific standard.

<sup>5</sup>Total phthalates include dibutyl (DBP), diethylhexyl (DEHD), diethyl (DEP), butylbenzyl (BBP), di-octyl (DOP), and dimethyl (DMP) phthalates.

<sup>6</sup>Particles applicable to fibrous, particle releasing products with exposed surface area.

Complies with California Department of Health Services' "Standard Practice for the Testing of Volatile Organic Emissions from Various Sources Using Small-Scale Environmental Chambers" 2004 (CA section 01350)

GREENGUARD Certification affirms that a product's emissions fall within the limits selected by GREENGUARD from reputable third-party risk based criteria, as identified above. GREENGUARD program testing is conducted consistent with a defined protocol and does not measure emissions under usage conditions other than those defined in the protocol and does not address potential environmental impact other than chemical emissions.

For further product details, visit the product listing at [www.greenguard.org](http://www.greenguard.org). If you have any questions, contact the GREENGUARD Environmental Institute at 1.800.427.9681.

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