Environment and Sustainability Information

caesarstone®

Caesarstone® – The Original Quartz Surface

- An industry pioneer and global leader, Caesarstone® was the world's first company to establish a new product genre in the industry by harnessing the extraordinary physical properties of quartz, one of nature's strongest minerals, to create a unique and glamorous product - the original quartz surface.
- Since 1987 Caesarstone® has been skillfully manufacturing high-quality, quartz surface solutions for a variety of applications and uses in private residences, hotels, restaurants, healthcare facilities and retail environments.

What is Quartz (SiO2)?

- Quartz is silica created over millions of years by a combination of intense heat and pressure inside the molten depths of the earth and by the minerals in the vicinity.
- Quartz is the second most common mineral on earth, constituting approximately 12% of the earth's crust. It can be found virtually anywhere in much larger quantities than any other mineral.
- The formation process of Quartz is very slow: cell after cell in an hexagonal defined and strong structure. The formation requires large amounts of energy – which is the source of the energy in the crystal.
- Quartz does not react with strong acids and it is not dissolvable,
- flammable or toxic toxic to humans in its solid state.
- Quartz may be translucent or opaque, and may vary
- in color, with the exposure to different oxides and
- minerals.

Caesarstone's Environmental Agenda

- At Caesarstone®, minimizing our impact on the environment is a top priority.
- Guarding the wellbeing of our customers and our employees go hand in hand with preserving the environment and ensuring a brighter future for the next generation.
- Our environmental agenda consists of:
    1. Commitment to production processes that minimize environmental impacts.
    2. Develop products that support healthier environments and better use of resources.
    3. Compliance to voluntary safety and environmental standards and criteria.

Chapter 1

Caesarstone® Production Processes
Minimizing Environmental Impacts

Caesarstone's environmental management policy sets clear and measurable objectives to maintain safety standards, minimize the environmental impact of our production

processes through energy and waste minimization, recycling technologies and the consideration of

environmental factors in the selection of materials and suppliers.

Our policy is demonstrated through the following initiatives.

Recycling Programs

- **Saving Water** - The manufacturing site has efficient water use, recycling 97%
  of water used in the production processes.
- **Reducing Soil Pollution** - 80% of industrial waste produced through the manufacturing process is recycled, diverting waste from landfill and reducing soil pollution.
- **Responsible Packaging** - 70% of the raw silica is delivered as a bulk without the need of packaging materials at all.
- 100% of the polymers that we use are delivered in reusable iso-tanks.
- 100% of the boxes used to pack Caesarstone®'s samples are made of recycled cardboard.

Saving Energy

- Energy consumption is measured and programs are in place to increase energy efficiency.
- Caesarstone® uses an RTO (Regeneration Thermal Oxydizer) system to dispose of harmful gasses. 95% of the energy required for this process is saved thanks to the use of this regeneration system.

Chapter 2

Caesarstone's Products - Supporting Healthier Environments And Better Use Of Resources

At Caesarstone®, We aim to create durable low maintenance products that support healthier environments and better use of material resources.

This is demonstrated through the following outcomes.

Supporting a Healthier Environment

- **Perfect Hygiene** - Our non-porous, sealed surfaces -inhibits the growth of mildew and bacteria thus creating a hygienic surface.
  Caesarstone's quartz surfaces are compliant with the International Health and Safety Foundation sanitary standard NSF51, ensuring that our working surfaces are safe for use in all food environments.
- **Low Maintenance** - Our surfaces require minimal maintenance and significantly reduce the need for sealants, cleaning materials and detergents compared with natural stone slabs.
- **High Performance and Durability** - Our quartz surfaces are long-lasting and durable, delivering both an improved lifecycle costs and additional investment value. Caesarstone® products are supported by a 10 year limited warranty.
- **Low emitting products** - Caesarstone® quartz surfaces meet stringent product emissions standards and have very little impact on indoor air quality. All Caesarstone® quartz products are independently certified by Greenguard Environmental Institute as low emitting surfaces.

Recycled Products

- Caesarstone® is committed to developing products that use waste or recycled materials.
- 5% of the quartz used to make Caesarstone® quartz surfaces are co products and waste materials from quarrying activity which reduces demand on natural quartz resources. In addition Caesarstone® uses materials such as crushed, recycled slabs, received glass and post-consumed mirror in some of its global product range.
- Caesarstone's Mosaici Collection (7120 and 7250) incorporates 42% first quality reclaimed post production waste from the fabrication process.
- The high use of recycled materials in this range reduces our demand for primary raw materials and diverts waste from landfill.

Perfect Hygiene

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Low Maintenance

- Our surfaces require minimal maintenance and significantly reduce the needs for sealants, cleaning materials and detergents compared with natural stone slabs.

Chapter 3

Caesarstone's Compliance With Voluntary Safety And Environmental Standards

As well as complying with health, safety and environmental regulations at our manufacturing plant, Caesarstone® is committed to supporting voluntary programs and achieving independent certification for key initiatives.

These include the following achievements.

ISO 14001

- Caesarstone® takes pride in being the world's first quartz surface company to have its Environmental Management System certified to comply with ISO 14001.
- ISO 14001 is the international standard for environmental preservation regulations which guides our working according to environmental goals; monitoring activities; investing in tools for enhancing a quality environment; employee and supplier training; health and safety procedures, and production processes.

ISO 14001:2004


IQNet
CERTIFICATE
Environmental Management System
ISO 14001:2004

OHSAS 18001

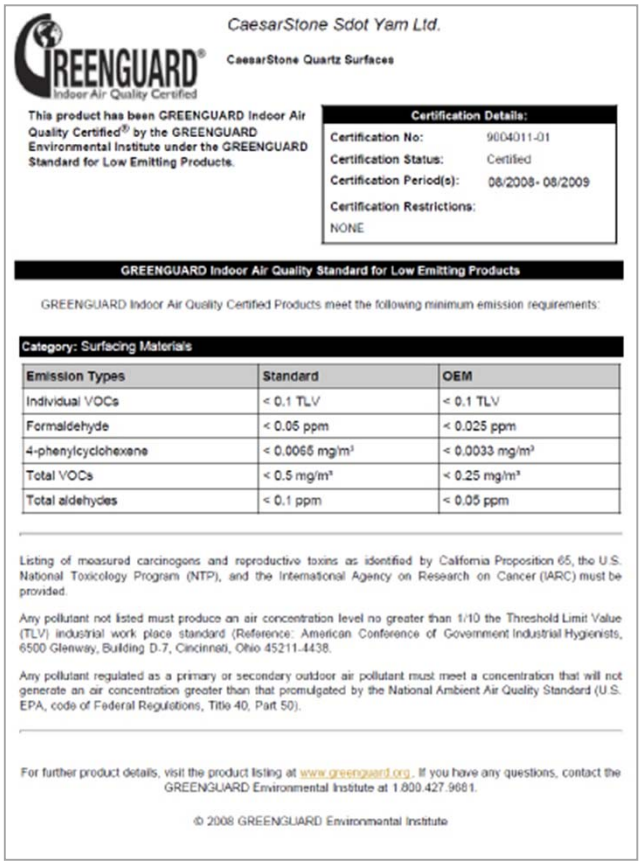
- Caesarstone® has an Occupational Health and safety management system independently certified to OHSAS 18001 to control health and safety risks.

OHSAS 18001

Greenguard Product Certification

- All Caesarstone® quartz surfaces comply with American GEI (GREENGUARD Environmental Institute) certification which verifies that Caesarstone's products meet the most stringent indoor air emission standards.
- GREENGUARD Children & Schools standard, evaluates the sensitive nature of school populations combined with the unique building characteristics found in schools, and presents the most rigorous product emissions criteria to date.
- GREENGUARD and GREENGUARD for Children & Schools Certification No: 9004011-01
- For more information about GEI and GREENGUARD, www.greenguard.org.

Greenguard Certification



CaesarStone Sdot Yam Ltd.

CaesarStone Quartz Surfaces

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

Certification Details:	
Certification No:	9004011-01
Certification Status:	Certified
Certification Period(s):	08/2008 - 08/2009
Certification Restrictions:	NONE

GREENGUARD Indoor Air Quality Standard for Low Emitting Products

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

Category: Surfacing Materials

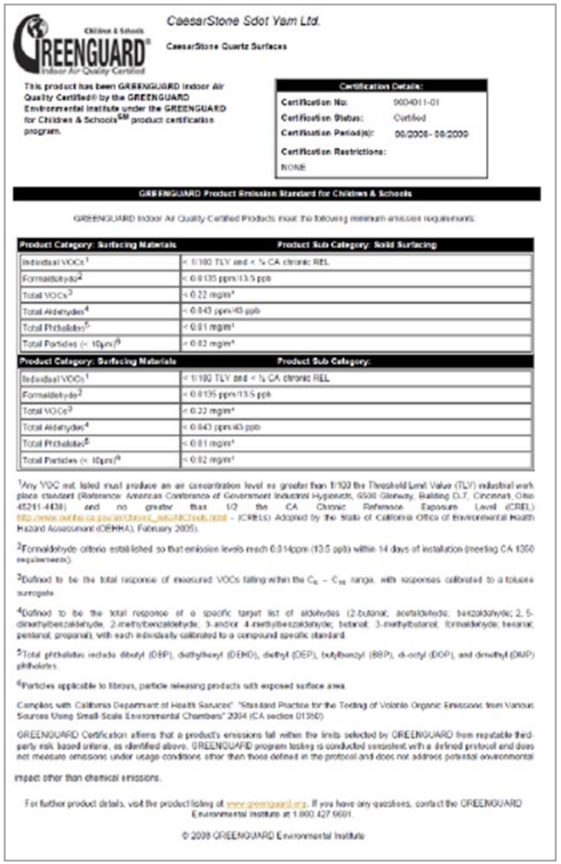
Emission Types	Standard	OEM
Individual VOCs	< 0.1 TLV	< 0.1 TLV
Formaldehyde	< 0.05 ppm	< 0.025 ppm
4-phenylcyclohexene	< 0.0065 mg/m³	< 0.0033 mg/m³
Total VOCs	< 0.5 mg/m³	< 0.25 mg/m³
Total aldehydes	< 0.1 ppm	< 0.05 ppm

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. If you have any questions, contact the GREENGUARD Environmental Institute at 1.800.427.9681.



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CaesarStone Quartz Surfaces

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

Certification Details:	
Certification No:	9004011-01
Certification Status:	Certified
Certification Period(s):	08/2008 - 08/2009
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: Solid Surfacing
Individual VOCs[1]	< 1/100 TLV and < ½ CA chronic REL
Formaldehyde[2]	< 0.0135 ppm/13.5 ppb
Total VOCs[3]	< 0.22 mg/m³
Total Aldehydes[4]	< 0.043 ppm/43 ppb
Total Phthalates[5]	< 0.01 mg/m³
Total Particles (< 10µm)[6]	< 0.02 mg/m³

Product Category: Surfacing Materials	Product Sub Category:
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Total Particles (< 10µm)[6]	< 0.02 mg/m³

[1]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 - (CREL) Adopted by the State of California Office of Environmental Health Hazard Assessment (OEHHA) February 2005).

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

[3]Defined to be the total response of measured VOCs falling within the C_6 – C_{16} range, with responses calibrated to a toluene surrogate.

[4]Defined to be the total response of a specific target list of aldehydes (2-butanol, acetaldehyde, benzaldehyde, 2, 5-dimethylbenzaldehyde, 2-methylbenzaldehyde, 3- and/or 4-methylbenzaldehyde, butanol, 3-methylbutanol, formaldehyde, hexanal, pentanal, propanal), with each individually calibrated to a compound specific standard.

[5]Total phthalates include dibutyl (DBP), diethylhexyl (DEHD), diethyl (DEP), butylbenzyl (BBP), di-octyl (DOP), and dimethyl (DMP) phthalates.

[6]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. If you have any questions, contact the GREENGUARD Environmental Institute at 1.800.427.9681.

GREENGUARD ENVIRONMENTAL INSTITUTE

CONGRATULATES

Caesarstone Sdot Yam Ltd.

FOR ACHIEVING GREENGUARD CERTIFICATION

FOR LOW EMITTING PRODUCTS AND MATERIALS

UNDER THE STANDARDS OF THE INSTITUTE.

August 5, 2008	*90040*	*Marilyn S. Black, Ph.D.*
CERTIFICATION DATE	CERTIFICATION NUMBER	EXECUTIVE OFFICER

FOR DISPLAY PURPOSES ONLY

Green Building Council

- Caesarstone® is member Green Building Council of Australia.
- A range of Caesarstone® products comply with several credit criteria for Indoor Environment Quality and Materials for GBCA's Green Star Rating system for buildings. Please refer to Caesarstone® Australia's individual Green Star compatibility summary available from www.caesarstone.com.au

			Caesarstone Quartz Slabs	Caesarstone Mosaici Collection	Caesarstone Concetto
Green Star Office Design v3					
Indoor Environment Quality	Volatile Organic Compounds	IEQ-13	✓	✓	✓
Green Star Office Interiors v1					
Indoor Environment Quality	Volatile Organic Compounds	IEQ-11	✓	✓	✓
Materials	Flooring	Mat - 2		✓	
	Tables	Mat - 5		✓	
	Joinery	Mat - 7		✓	
Green Star Education Pilot					
Indoor Environment Quality	Volatile Organic Compounds	IEQ-12	✓	✓	✓
Materials	Flooring	Mat-8		✓	
	Loose Furniture	Mat-10		✓	
	Recycled-Content & Reused Products and Materials	Mat-11		✓	
Green Star Healthcare Pilot					
Indoor Environment Quality	Volatile Organic Compounds	IEQ-13	✓	✓	✓
Materials	Recycled-Content Products & Materials	Mat-4		✓	
	Flooring	Mat-9		✓	
	Joinery	Mat-11		✓	
	Loose Furniture	Mat-12		✓	
Green Star Shopping Centre Design Pilot					
Indoor Environment Quality	Volatile Organic Compounds	IEQ-8	✓	✓	✓
Materials	Recycled-Content Products & Materials	Mat-9	✓	✓	✓
Green Star Multi Unit Residential Pilot					
Indoor Environment Quality	Volatile Organic Compounds	IEQ-7	✓	✓	✓
Materials	Recycled-Content & Reused Products and Materials	Mat - 7		✓	
	Floor Coverings	Mat - 9		✓	

Project 7 Ten, USA – A LEED Platinum Certified Home

- Caesarstone® USA takes pride in being involved with Project7Ten, one of only a few "Leadership in Energy and Environmental Design" (LEED) Platinum Certified homes in the US.
- Project7Ten is an important project built to achieve the highest environmental performance as possible at the time, to serve as a model that creates a forum for discussion about environmental awareness.
- The Project7Ten was built exclusively using Caesarstone's countertops in the kitchen & bathrooms and as the fireplace surround.

Thank you

For any further information, please contact us: -

- 1300 119 119
- sales@caesarstone.com.au