Environment and Sustainability Information
What Is Quartz (SiO2)?

- Quartz is a 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 a strong, hexagonal 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.
- Quartz may be translucent or opaque, and may vary in color with exposure to different oxides and minerals.
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.
At Caesarstone, minimizing our impact on the environment is a top managerial priority, involving all our employees and departments to assure our sustainability leadership.
At Caesarstone, we aim to create durable, low-maintenance products that support healthier environments and better use of material resources.

We are committed to supporting voluntary programs and achieving independent certification for key initiatives.
CHAPTER 1: Caesarstone’s Sustainable Production Processes
We are committed to resource **efficiency** in our production processes, including raw material management, energy savings, water recycling, recycled packaging and efficient use of auxiliary materials.
Saving Water

We operate a filtering system and recycle 97% of water used in the production processes.
Reducing Soil Pollution

Recycling industrial material excess to reduce landfill burial and soil pollution.
70% of the raw silica is received as bulk deliveries without the need for additional packaging materials.

100% of the polymers that we use are delivered in reusable ISO tanks.

100% of the boxes used to pack Caesarstone samples are made of recycled cardboard.
Economy of Resources

SAVING ENERGY
Caesarstone uses an Regeneration Thermal Oxidizer (RTO) system to dispose of harmful gases in all of its production plants, which has contributed significantly to energy savings in our production sites.

USE OF POST-PRODUCTION MATERIALS
Some of our products are made with recycled materials, which reduces our demand for primary raw materials and diverts waste from landfill.
Safe, Clean Working Environment

AIR PURIFICATION
Operating air purification systems in the plant and its surroundings

PROTECTING THE ENVIRONMENT AGAINST DUST
Collection of dust throughout the manufacturing process

RESPONSIBLE STORAGE
Storing raw materials in a safe, clean environment on sealed pallets to prevent leakage of ground-polluting substances
CHAPTER 2:
Caesarstone Products
At Caesarstone, we aim to create durable, low-maintenance products that support healthier environments and better use of material resources.
Low Maintenance

Our surfaces require minimal maintenance and significantly reduce the need for sealants, cleaning materials and detergents.
High Performance & Durability

Our quartz surfaces are long-lasting and durable, delivering both improved life cycle costs and additional investment value.
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 the GREENGUARD Certification, which is part of UL Environment, a business unit of UL (Underwriters Laboratories), as low-emitting surfaces.
Why Are Caesarstone's Surfaces Considered Sustainable?

PERFECT HYGIENE.

Our non-porous surfaces inhibit the growth of mildew and bacteria, thus creating a hygienic surface. Caesarstone quartz surfaces are also compliant with the International Health and Safety Foundation sanitary standard NSF51, ensuring that our working surfaces are safe for us in all food environments.

The Recycled Collection

Some of our products are made with recycled materials, such as: recycled pre-consumer glass and mirrors or high-quality reclaimed post-production waste from the fabrication process.
CHAPTER 3:
Caesarstone's Compliance with Environmental Industrial Standards
Caesarstone works with the leading sustainability organizations in the green building sector as part of its sustainability leadership. Our certifications for our manufacturing sites and products support our customers' needs for transparency and healthy building products and contribute to green building projects.
COMPLIANCE WITH SUSTAINABLE INDUSTRIAL STANDARDS

ISO 14001 9001 45001

ISO 14001 is the international standard for establishing an environmental management system to guide working towards: meeting environmental goals; monitoring compliance activities; investing in tools for enhancing a quality environment; employee and supplier training; health and safety procedures; and establishing efficient production processes.

All Caesarstone’s production plants have a certified Environmental Management System in accord with ISO 14001.

Compliance with Sustainable Industrial Standards

Greenguard

Certification No: 9004011-01

Greenguard | All Caesarstone quartz surfaces comply with Greenguard certification, which verifies that Caesarstone products meet the most stringent indoor air emission standards.

COMPLIANCE WITH SUSTAINABLE INDUSTRIAL STANDARDS

Greenguard Gold

GREENGUARD GOLD | All Caesarstone quartz surfaces comply with GREENGUARD GOLD (formerly known as GREENGUARD Children & Schools Certification) standard, which 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.

For more information about GREENGUARD, visit www.greenguard.org
COMPLIANCE WITH SUSTAINABLE INDUSTRIAL STANDARDS

GREENGUARD Certification
Leadership in Energy and Environmental Design (LEED) Certificate

Developed by the United States Green Building Council (USGBC), LEED is a green building rating system, which rates buildings of all types (residential, commercial, new, renewed).

As a member of the USGBC we are a natural partner for green building projects worldwide. For more information, visit www.usgbc.org
Caesarstone Quartz Surfaces can contribute to a project's pursuit of LEED Certification across the following credits for LEED v4 BD+C and ID+C:

CAESARSTONE’S SUSTAINABLE PRODUCTION PROCESSES:

SCS Certified Products

Some Caesarstone models are made with pre-consumer recycled raw materials such as mirror and glass, or high-quality reclaimed post-production waste from the fabrication process. These models have the SCS Recycled Content certificate. Please consult the list of SCS certified models.

CAESARSTONE’S SUSTAINABLE PRODUCTION PROCESSES:

SCS Certified Products

Jet Black
42% Pre-Consumer Recycled Crushed Glass Content

Woodlands
2% Pre-Consumer Recycled Crushed Mirror Content

Coastal Grey
4% Pre-Consumer Recycled Crushed Glass and Mirror Content

Bianco Drift
2% Pre-Consumer Recycled Crushed Mirror Content

Atlantic Salt
4% Pre-Consumer Recycled Crushed Glass and Mirror Content
CAESARSTONE´S SUSTAINABLE PRODUCTION PROCESSES:

Health Product Declaration (HPD)

The Health Product Declaration (HPD)® Open Standard necessitates a full disclosure of the potential chemicals of concern in products by comparing product ingredients to a set of priority “hazard” lists based on the GreenScreen for Safer Chemicals and additional lists from other government agencies.

[LEED v4] “Yes ex/SC” result is due only to materials and substances for which Special Conditions were applied. Thus “Yes ex/SC” does not disqualify the product for the LEED v4 Materials and Resources Disclosure and Optimization credit, Option 1.


* The Health Product Declaration® logo is a registered trademark of HPD Collaborative.
Thank YOU