



# Environment and Sustainability Information

# What Is Quartz (SiO<sub>2</sub>)?

- 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.





# 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.

# An Environment First Perspective

At Caesarstone, minimizing our impact on the environment is a top managerial priority, involving all our employees and departments to assure our sustainability leadership.





# Our Environmental Agenda

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.

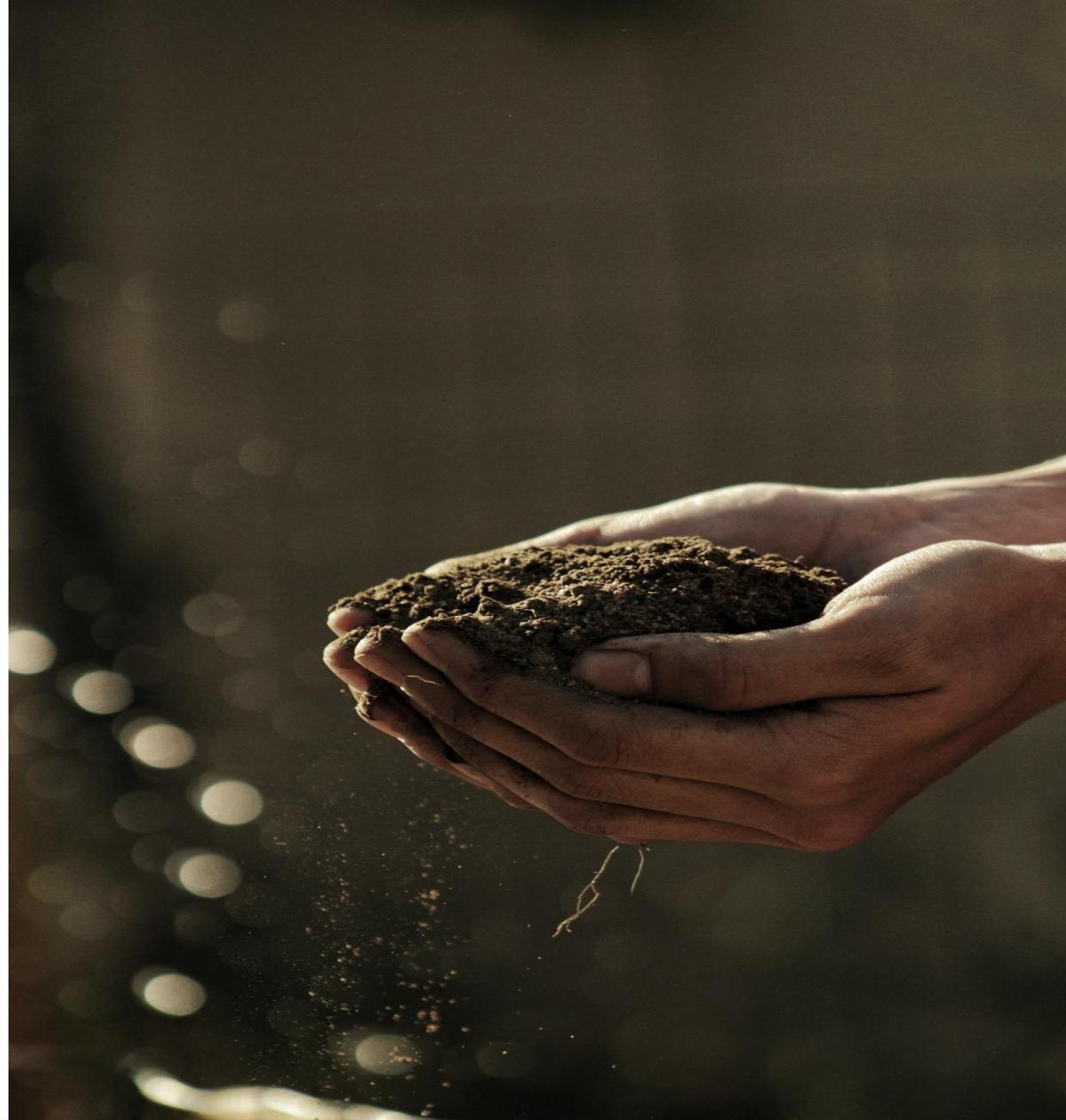


# Saving Water

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.





# Eco-friendly Packaging

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.

<https://www.caesarstoneus.com/about-us/environmental-commitment/food-safety/>



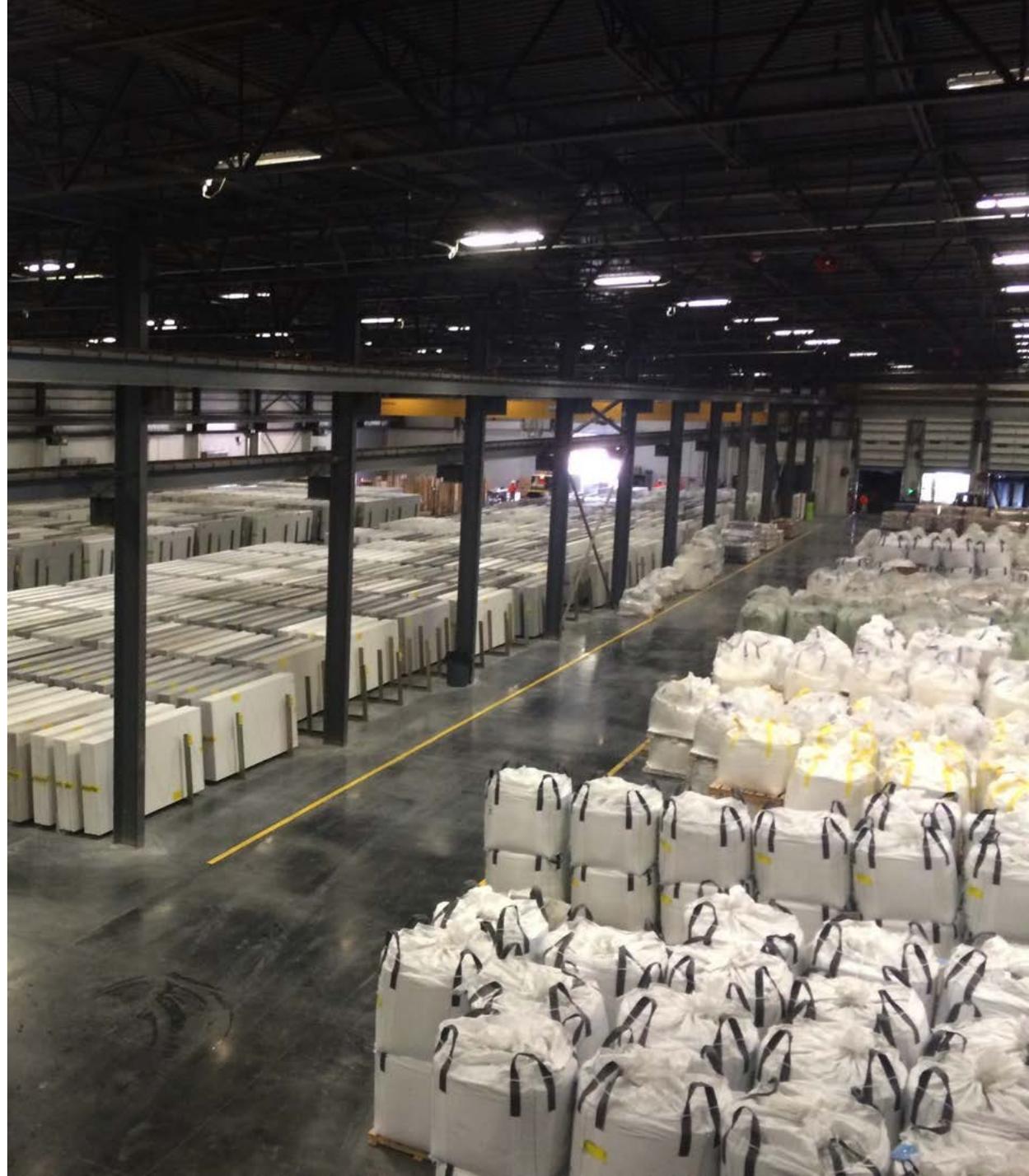
# The Recycled Collection

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.



ISO 14001:2004



<https://www.caesarstoneus.com/about-us/environmental-commitment/sustainable-practices/>

## 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.

<https://www.caesarstoneus.com/about-us/environmental-commitment/greenguard/>



## 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](http://www.greenguard.org)



COMPLIANCE WITH SUSTAINABLE INDUSTRIAL STANDARDS

# GREENGUARD Certification



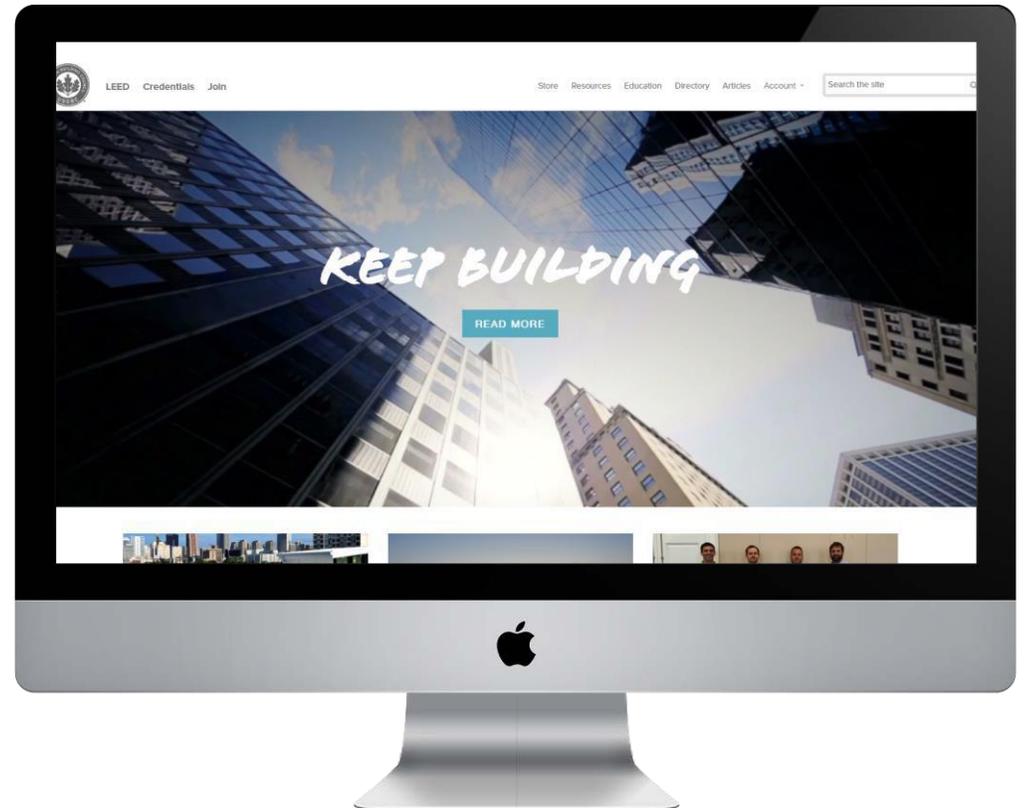
## COMPLIANCE WITH SUSTAINABLE INDUSTRIAL STANDARDS

# 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](http://www.usgbc.org)

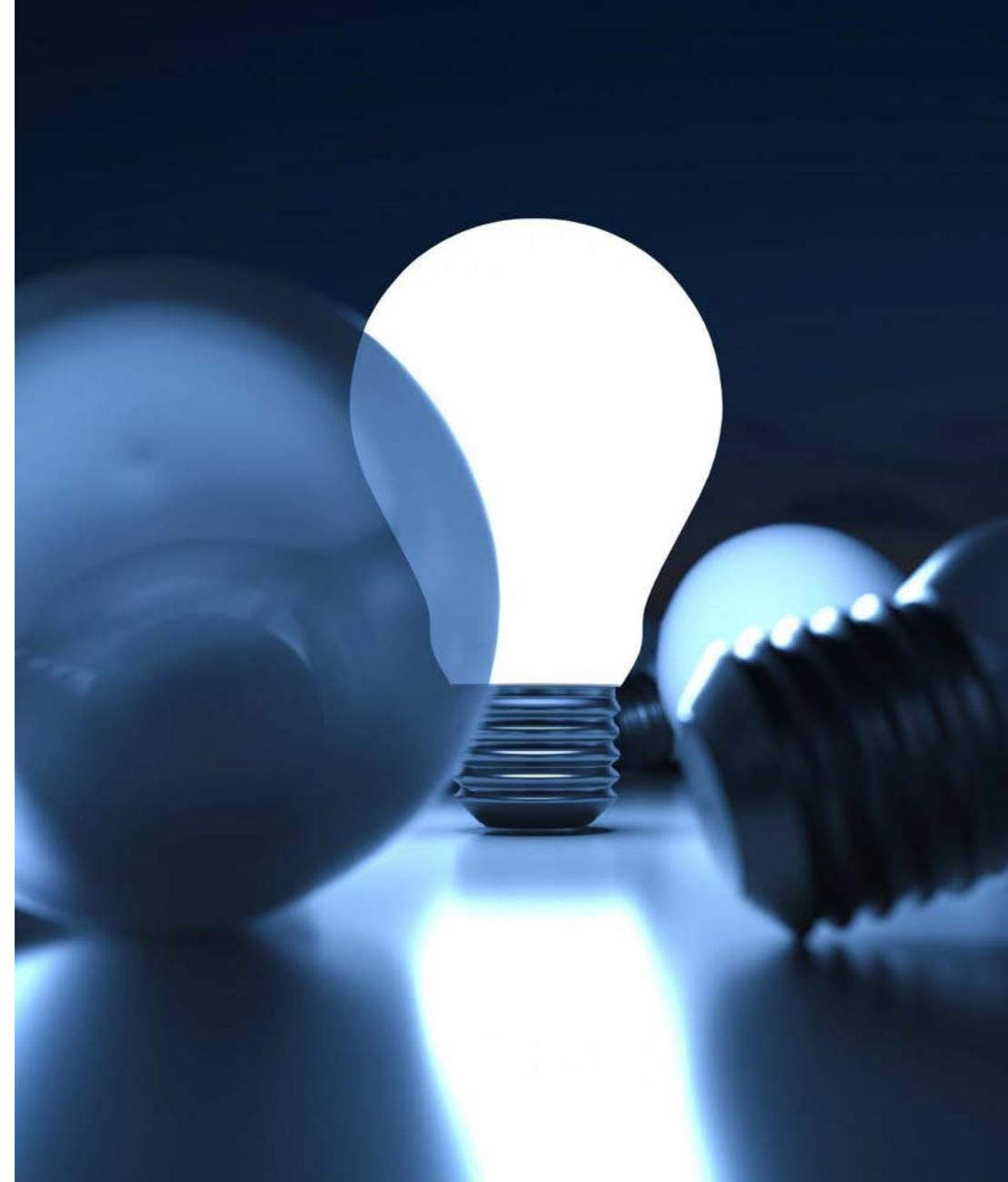


## COMPLIANCE WITH SUSTAINABLE INDUSTRIAL STANDARDS

# Leadership in Energy and Environmental Design (LEED) Certificate

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:

<https://www.caesarstoneus.com/media/222046/caesarstone-us-lead-v4-credit-contribution-oct-2019.pdf>



CAESARSTONE'S SUSTAINABLE PRODUCTION PROCESSES:

## SCS Certified Products



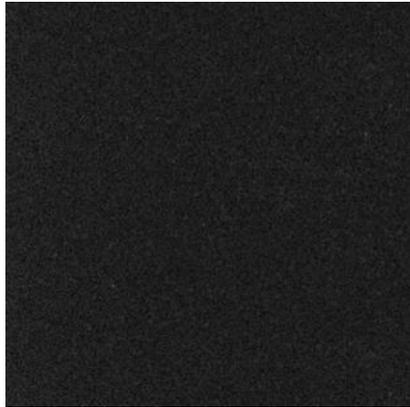
Some Caesarstone models are made with pre-consumer recycled raw materials such as mirror and glass, or high-quality reclaimed post-production waste from the fabrication process. These models have the SCS Recycled Content certificate. Please consult the list of SCS certified models.

<https://www.caesarstoneus.com/about-us/environmental-commitment/scientific-certification-systems/>



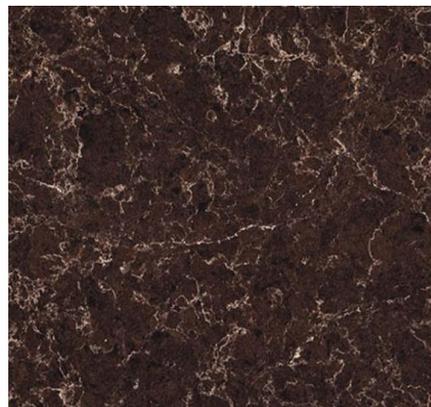
CAESARSTONE'S SUSTAINABLE PRODUCTION PROCESSES:

# 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)<sup>®</sup> 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.

<https://www.caesarstoneus.com/media/1231408/hpd-caesarstone-surfaces-v22-22jul20.pdf>

<b>Caesarstone Surfaces by Caesarstone</b>	<b>Health Product Declaration v2.2</b> <small>created via: HPDC Online Builder</small>
<b>HPD UNIQUE IDENTIFIER:</b> 21086	
<b>CLASSIFICATION:</b> 12 36 61.19 Furnishings: Quartz Agglomerated Countertops	
<b>PRODUCT DESCRIPTION:</b> Caesarstone Ltd. manufactures premium quartz surfaces, which are used in both residential and commercial projects as countertops, vanities, wall cladding, floors and other interior surfaces. Caesarstone combines beauty with outstanding performance, enabling you to bring your design imagination to life. This HPD covers Caesarstone Surfaces in all available models and colors.	

\* The Health Product Declaration<sup>®</sup> logo is a registered trademark of HPD Collaborative.



Thank  
**YOU**

