

5171 Arabetto



Technical Data Manual

caesarstone®



Aerial View of Caesarstone Factory

Kibbutz Sdot Yam, Israel

Adjacent to the ancient Roman city of Caesarea

Product Description



Caesarstone is the original engineered [quartz surface](#).

Use it as an attractive, versatile and distinctive finish for residential, commercial and institutional buildings.

Caesarstone quartz is tough enough to withstand wear and tear in multiple surface applications and beautiful enough for every design scheme.

Caesarstone quartz outperforms natural stone. It has more flexural strength and impact resistance than granite while also outdoing marble. Each slab is unique with newer collections designed to look like natural stone.

Due to Caesarstone quartz's superior strength and durability, you may be able to use thinner materials to save weight, or use larger pieces to reduce the number of joints. Regardless, you save money with a simplified fabrication and installation process.

Furthermore, Caesarstone quartz is [easy to care](#) for. Its quartz aggregate makes it harder and more scratch resistant than either granite or marble, and its high-quality polymer binders make it non-porous and highly resistant to stains.

Use Caesarstone quartz for:

- Countertops and backsplashes
- Shower and tub surrounds
- Lavatory and sinks
- Interior wall cladding
- Table and desktops
- Wainscots and wall bases
- Toilet compartment partitions
- Elevator cab walls
- Service counters



4033 Rugged Concrete
Poké Me

Caesarstone quartz maintains its appearance without sealants or waxes and meets the stringent sanitation requirements of restaurants, hospitals and schools.

Composition: Caesarstone surfaces contain up to 90% crushed quartz (silicon dioxide – SiO₂), one of nature's hardest minerals. Quartz is combined with high-quality polyester resins and pigments, and then compacted under intense vibration, vacuum and pressure into dense, non-porous slabs. The slabs are gauged to precise thickness and polished to a lasting shine or attractive textured finish. After passing inspection, the back of each Caesarstone slab is imprinted with a zigzag trademark to simplify jobsite identification.

Finishes: Caesarstone offers five distinctive surface finishes that offer added character beyond the color. Caesarstone can be finished on two faces by special order, requiring a minimum order quantity and additional lead-time.

Colors and Styles: Caesarstone offers a wide spectrum of design options in the quartz surface industry. Our styles range from fine-grained, salt-and-pepper patterns to coarse-grained color blends with a variegated visual texture. The marble-inspired surface designs highlight the exquisite appearance of natural stone through bold colors and intricate veins. See our website or contact Caesarstone for color brochures and samples.

Intense Heat: Caesarstone quartz tolerates brief exposures to moderately hot temperatures. **Trivets or hot pads should always be used.**

Caesarstone Quartz Performance

- Beautiful and durable
- Strong, yet flexible
- Scratch resistant
- Highly stain resistant
- Resistant to many chemicals, acids and solvents
- Non-porous and prevents mold, mildew and bacteria
- Heat resistant withstands very brief exposure to moderate heat
- Impact resistant

Slab Dimensions

Standard Size

120" (305cm) x 56 1/2" (144cm)

Width tolerance +/-5mm; length tolerance +/-10mm

Jumbo Slab* Size

131 1/2" (334cm) x 64 1/2" (164cm)

THICKNESS:

1.3cm

2cm

3cm

Standard Size Weight

1.3cm*	280-315 lbs (127-143kg)
2cm	417-463 lbs (189-210kg)
3cm	639-675 lbs (290-306kg)

Jumbo Slab* Weight

2cm	520-575 lbs (236-261kg)
3cm	798-842 lbs (362-382kg)



*These dimensions are used for storage and transportation purposes only .
Actual usable slab surface is slightly less per side.



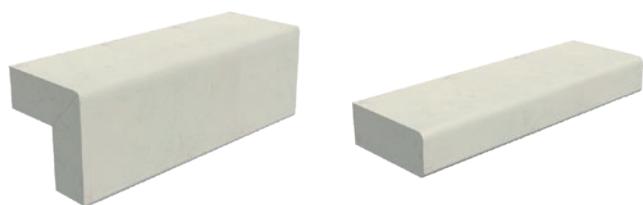
1141 Pure White
Fonté Coffee Roaster Café
Seattle, WA

Edge Profiles: The unique edge properties and durability of Caesarstone quartz surfaces allow for a wide range of edge profile designs, including a standard edge or laminated or mitered edge that creates the appearance of a thicker slab. All edge details should have **minimum 1/8" radius** on any profile, for both top and bottom edges.

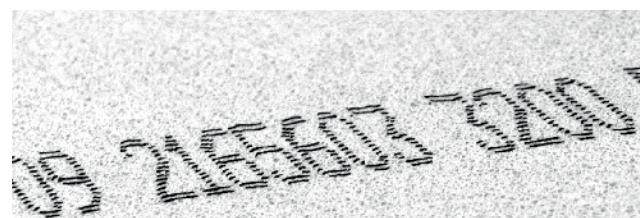
For high-traffic areas and sink cutouts, a 1/4" minimum radius is suggested.

Caesarstone quartz surfaces and countertops can be fabricated with a variety of different edge options such as: double radius, bevel, double bullnose, miter edge, radius, ogee bullnose and triple ogee.

Miter Edge
Minimum Radius: 1/8"



Caesarstone Slab ID: The underside of every Caesarstone slab is uniquely stamped with identification information establishing authenticity. Beware of imitation slabs.



Finishes



5810 Black Tempal

Polished is an elegant and highly reflective finish that is smooth to the touch. Caesarstone's Polished finish emphasizes color and sets the tone for sophisticated spaces with its stunning luster. The sleek surface helps a room appear more spacious, adds luxury to interiors and boasts remarkable style and endurance. Our standard finish is designed for life, requiring minimal care and maintenance. Polished surfaces have a silk gloss finish with a ratio of 28-55% at 50°.

Concrete* is a matte, textured finish which introduces an industrial aged feel to the surface. This unique finish never requires sealing and is designed to acquire a natural patina over time, which adds to the character of the surface, yet remains easy to clean and maintain. Concrete surfaces have a matte finish with a gloss ratio of 4-8% at 50°.

Rough* looks like a hand-poured concrete surface and blends well with neutral palettes that soften its raw industrial edge. Its low reflective matte surface finish is more susceptible to showing everyday marks and spills, meaning more frequent cleaning may be required. Rough Concrete surfaces have a matte finish with a gloss ratio of 0-4% at 50°.

Honed* is a matte finish with the look and feel of natural stone, requiring more maintenance yet no sealants. Caesarstone's Honed finish emits an organic appearance with its low light reflection, while retaining a stylish, authentic quality with high design appeal. Smooth to the touch, yet soft on the eye, our Honed finish is in perfect harmony with both classic and modern design approaches. Due to the nature of the surface design, additional care and maintenance will be required. Honed surfaces have a matte finish with a gloss ratio of 4-8% at 50°.

Natural* has a slightly textured finish that conjures up the emotional caress of stone, adding warmth to the grain so it conveys a uniquely sensorial touch. Its satin sheen gently reflects light, captivating the viewer and enhancing the depth of color, especially on darker shades. Due to the nature of the surface design, additional care and maintenance will be required. Natural finishes have a slightly textured satin sheen finish with a gloss ratio of 6-12% at 50°.

*Available for select colors



Caesarstone's Outdoor Collection

For the first time, Caesarstone takes the luxury and durability of quartz outside.

This groundbreaking Outdoor Collection provides the convenience of stain-resistant, easy-to-clean surfaces while innovating a highly durable material proven to weather all the elements – come rain, snow or shine.

Innovated and tested to withstand UV rays and the most extreme environmental conditions, the new Outdoor Collection provides an answer for consumers' desire to cook, dine and entertain comfortably in an outdoor kitchen.

Barbecue counters, sinks and backsplashes are just the beginning; other uses range from patio dining tables to poolside bar tops.

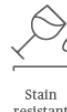
Please review our Technical Guide for specifications on fabricating and installing Caesarstone's Outdoor Collection.



UV
Resistance



Weather
Resistance



Stain
resistant



Scratch
resistant



No Special
Maintenance
Required



Durable



Performance

Caesarstone's Outdoor Collection was designed to have excellent performance. After thorough testing both in the lab and in the field, we have proven that the Outdoor Collection surfaces are highly resistant to all weather and environmental conditions, everyday wear and tear, and have exceptional mechanical and physical properties. The appearance and physical properties of Caesarstone's Outdoor Collection surfaces remain similar after long term exposure to the sun and seasonal changes.

Caesarstone's Outdoor Collection vs. Alternate Outdoor Materials

		Caesarstone's Outdoor Collection	Ceramic	Granite	Concrete	Stainless Steel
Mechanical and physical properties	Flexural Strength Shows the mechanical strength of the product (e.g., how much weight it can endure)	+++	++ ¹	++ ¹	+	N.A
	Impact Resistance Shows how tough the slab is and reflects its durability against impact from falling objects	+++	+ ¹	++ ¹	++	N.A
Aspects of use	Scratch Resistance	+++	+++	++	+	+
	Stain Resistance	+++	+++	+++ ²	+	+
Weathering resistance	Water Absorbance Simulates constant exposure to water, which is similar to a situation of continuous rain	+++	+++	++	+	N.A
	Environmental Heat Resistance Simulates a continuous exposure to high environmental temperatures	+++	+++	+++	+++	+++
	Outdoor Collection UV Resistance	+++	+++	++	+++	+++
	Freeze Resistance	+++	+++	++	++	+++

¹ The samples were strengthened with a supportive net on the opposite side. We assume that the results would have been inferior, had the net not been used.

² Granite is covered with a protective sealer that requires resealing every few months. The sealer improves stain resistance.

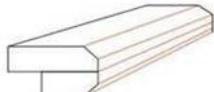
+++ Good ++ Fair + Poor

Edge Details

2003 Concrete

Edge Profiles

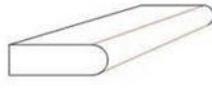
The edge profile of your surface can be custom-designed by a stonemason in a variety of thicknesses, from 20mm to 40mm or more to optimize your design.



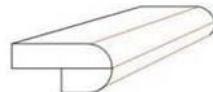
Bevel



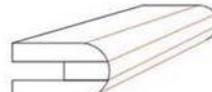
Bevel Square



Full Bullnose



Double Bullnose



Triple Laminated Bullnose



Ogee



Miter

Recommended for Supernatural design



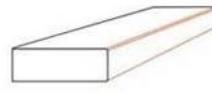
Double Radius

laminated 1/4" (7mm) round top and bottom



Pencil

1/4" (7mm) recommended



Eased

1/8" (3mm)

Please consult with your local fabricator as not all edges are available in all areas and other options may be available in your region.

Maintenance



5131 Calacatta Nuvo

Polished Finishes: Its hard, nonporous, Polished surface makes Caesarstone quartz simple to clean. In most cases, soap and water or a mild detergent is all that is required to maintain its luster. For optimal performance of your Caesarstone surface, we recommend using Soft Scrub® Liquid Gel with Bleach on a soft damp cloth. Wipe the surface and rinse thoroughly to remove residue.

Honed, Concrete, Rough and Natural Finishes: Please understand that Honed, Natural, Concrete and Rough finishes will require more daily maintenance than our Polished finishes. Since there is more exposed surface area with these finishes, metal marks, fingerprints and other signs of daily living will show on these materials. Most of these marks can be easily removed with little effort and cleaning products, such as Soft Scrub® Liquid Gel with Bleach. Squeeze a small amount on a soft damp cloth and wipe the surface. Then rinse thoroughly with clean water to remove residue.

Find Out More

For further information about Caesarstone's quartz surfaces, please visit our website at www.caesarstoneus.com

Maintenance



4033 Rugged Concrete

What is Patina?

Patina is a thin layer that variously forms on the surface of stone over six months of use. Patinas can provide a protective covering to materials that would otherwise be damaged by corrosion or weathering. They may also be aesthetically pleasing. Caesarstone surfaces are designed to acquire a natural patina which adds to the character of the surface, yet remains easy to clean and maintain. It is not a blemish or stain.

Guidelines

- Counters are not sold with patina. Natural patina can take up to six months to form using regular mild cleaners, soap and water, windex, etc.
- Patina forms on all quartz products unless bleach based cleaner is used regularly
- All colors become slightly darker and shinier
- **No sealant of any kind** should ever be used
- Sealant leaves a topical film that makes cleaning even harder over time
- Certain cleaners my expedite accrual of patina



5111 Statuario Nuvo
EOS Rejuvenation
Beverly Hills, CA

Caesarstone surfaces are recommended for healthcare facilities.

Chemicals: Avoid contact with products containing trichloroethane or methylene chloride (such as paint removers or strippers), abrasives, hydrofluoric acid, liquid bluing, gentian violet and aggressive cleaning compounds like oven or grill cleaners.

Acids: Caesarstone quartz is not affected by solutions of common acids including hydrochloric, muriatic and sulfuric acids. In concentrated solutions, after exposures of 24 hours, some acids such as nitric acid will discolor the surface though they will not compromise the strength of the material. Hydrofluoric acid spills should be cleaned immediately, because it will react with quartz. In the event of accidental exposure to these products, thoroughly rinse the surface with clean water as soon as possible. Take care to protect skin and eyes.

Alkalines: Sodium hydroxide and potassium hydroxide in 10% or higher concentrations will etch Caesarstone surfaces; spills should be cleaned immediately. In household concentrations, such as those found in home drain cleaners, sodium and potassium hydroxide have no effect on the surface though we recommend cleaning all spills as soon as possible.

Staining Agents: Caesarstone quartz resists common laboratory staining agents. It is not permanently stained by povidone-iodine (betadine), potassium permanganate or tincture of iodine. Residual stains of betadine or iodine on light-colored surfaces clean off with chlorine bleach. Black and dark colors of Caesarstone quartz show no stain from these agents. Some colors of Caesarstone quartz can be stained by prolonged contact with solutions of gentian violet, blue ink and some lipsticks.

Solvents: Caesarstone quartz resists a wide range of commercial and industrial solvents. Household cleaners and industrial strength solutions of methyl ethyl ketone (MEK) have no effect on Caesarstone surfaces. Solvents that can be safely used in pure concentrations on the surface include:

- Denatured Alcohol
- Lacquer Thinner
- Methyl Hydrate
- Isopropyl Alcohol
- Methylene Chloride

Environment, Standards & Certificates

We aim to create durable, low-maintenance products that support healthier environments and better use of natural resources:

Low Maintenance Our surfaces require minimal maintenance and significantly reduce the need for sealants, cleaning materials and detergents.

High Performance and 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.

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

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 green and healthy building products and contribute to green building projects.

The CE marking indicates conformity with health, safety and environmental protection standards for products sold within the European Economic Area. By affixing the CE marking, Caesarstone declares that Caesarstone quartz surfaces meet all the legal requirements for CE marking.

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 accordance with ISO 14001.



5220 Dreamy Marfil

OHSAS 18001 and **ISO 45001** are international occupational health and safety management standards designed to support organizations in assessing workplace hazards and implementing preventative measures as part of day-to-day operations. All Caesarstone's production plants have a certified occupational health and safety management system in accordance with OHSAS 18001 or ISO 45001.

ISO 9001 is the international standard that specifies requirements for a quality management system. Compliance demonstrates the ability to consistently provide products and services that meet customer and regulatory requirements. All Caesarstone's production plants have a certified quality management system in accordance with ISO 9001.

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

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

The **Health Product Declaration (HPD)® Open Standard*** necessitates 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. Caesarstone is compliant with the HPD v2.2 standard.

Caesarstone's **Red List Declaration** confirms that - to the best of our knowledge - Caesarstone quartz surfaces do not contain any of the hazardous materials that appear on the International Living Future Institute's Red List (<https://living-future.org/declare/declare-about/red-list/>).

As a member of the **United States Green Building Council (USGBC)**, we are a natural partner for green building projects worldwide. For more information, visit new.usgbc.org

Developed by the **USGBC, LEED** (Leadership in Energy and Environmental Design) is an American accredited rating system for the design, construction and operation of high-performance green buildings. Caesarstone's products can contribute to LEED v3 and LEED v4 projects.



5031 Statuario Maximus

Caesarstone's recycled models are **Scientific Certification Systems (SCS)** certified for recycled content. SCS is a global leader in independent certification and verification of environmental and sustainable stewardship. Some of our models are made from pre-consumer, recycled raw materials such as mirror and glass or high-quality, reclaimed post-production waste from the fabrication process.

Caesarstone 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. Our non-porous surfaces inhibit the growth of mildew and bacteria, thus creating a hygienic surface.

Caesarstone products abide by the two leading **European Food Contact Materials** regulations: Regulation (EC) No 1935/2004 and Regulation (EC) No 2023/ 2006 on Good Manufacturing Practices.

Caesarstone products are found in the **Mindful MATERIALS** Library at www.mindfulmaterials.com. Mindful MATERIALS is a user-friendly platform that enables the building industry to obtain information concerning statements and certifications regarding quality and environmental aspects of Caesarstone.

Caesarstone surfaces are **Kosher** due to their low porosity.



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



5141 Frosty Carrina



SCS Certified Products



3100 Jet Black
42% Pre-consumer
Recycled Content



5133 Symphony Grey
3% Pre-consumer
Recycled Content



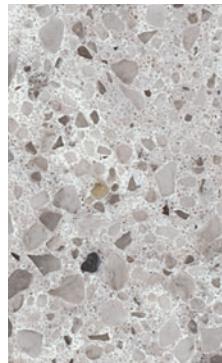
6003 Coastal Grey
4% Pre-consumer
Recycled Content



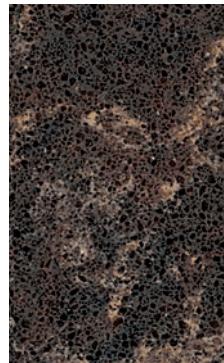
6011 Intense White
16% Pre-consumer
Recycled Content



6131 Bianco Drift
2% Pre-consumer
Recycled Content



6270 Atlantic Salt
4% Pre-consumer
Recycled Content



6338 Woodlands
3% Pre-consumer
Recycled Content



6611 Himalayan Moon
3% Pre-consumer
Recycled Content

After a rigorous assessment, the Scientific Certification Systems (SCS) has approved Caesarstone's Environment First collection as SCS Recycled Content Certified.

As a global leader in independent certification and verification of environmental and sustainable stewardship, SCS has developed internationally recognized standards and certification programs in pursuit of the highest level of environmental performance and social accountability.



5000 London Grey
Amaroso Place
Venice, CA



1141 Pure White

BRW Architects
Dallas, TX

Leed v4



LEED Certification is a globally-recognized symbol of achievement for high-performing, green buildings. Developed by the U.S. Green Building Council, LEED (Leadership in Energy and Environmental Design) provides a framework to create healthier, highly efficient and cost-saving green buildings.

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**:

Material and Resources (MR)

Credit	How Caesarstone Contributes																		
MR Credit: Building Product Disclosure and Optimization – Sourcing of Raw Materials 1 Point	<p>The following Caesarstone Quartz Surfaces have received third-party certification from SCS Global Services for Pre-Consumer Recycled Content. Thus, these products can contribute to the LEED calculation for total recycled content used in a project.</p> <table><thead><tr><th>Color</th><th>Min. Recycled Content</th></tr></thead><tbody><tr><td>3100 Jet Black</td><td>42% pre-consumer</td></tr><tr><td>5133 Symphony Grey</td><td>3% pre-consumer</td></tr><tr><td>6003 Coastal Grey</td><td>4% pre-consumer</td></tr><tr><td>6011 Intense White</td><td>16% pre-consumer</td></tr><tr><td>6131 Bianco Drift</td><td>2% pre-consumer</td></tr><tr><td>6270 Atlantic Salt</td><td>4% pre-consumer</td></tr><tr><td>6338 Woodlands</td><td>2% pre-consumer</td></tr><tr><td>6611 Himalayan Moon</td><td>3% pre-consumer</td></tr></tbody></table> <p>Caesarstone products are manufactured at our three factories located at Sdot Yam, Israel; the Barlev Industrial Zone, Israel; and Richmond Hill, GA, USA. Not all raw materials used in these products have been extracted from within 100 miles of these factories. Please contact the manufacturer if more information is required.</p>	Color	Min. Recycled Content	3100 Jet Black	42% pre-consumer	5133 Symphony Grey	3% pre-consumer	6003 Coastal Grey	4% pre-consumer	6011 Intense White	16% pre-consumer	6131 Bianco Drift	2% pre-consumer	6270 Atlantic Salt	4% pre-consumer	6338 Woodlands	2% pre-consumer	6611 Himalayan Moon	3% pre-consumer
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Requirements: Use products that meet at least one of the responsible extraction criteria below for at least 25%, by cost, of the total value of permanently installed building products in the project.

Recycled content: Products meeting recycled content criteria are valued at 100% of their cost for the purposes of credit achievement calculation.

Products sourced within 100 miles (160 km) of the project site are valued at 200% of their base contributing cost.



Material and Resources (MR)

Credit

MR Credit: Building Product Disclosure and Optimization – Material Ingredients

1-2 Points

Intent of Credit: To encourage the use of products and materials for which life-cycle information is available and that have environmentally, economically, and socially preferable life-cycle impacts. To reward project teams for selecting products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.

Option 1 Material Ingredient Reporting

Requirements: Use at least 20 different permanently installed products from at least five different manufacturers that use any of the approved programs to demonstrate the chemical inventory of the product to at least 0.1% (1000 ppm), including:

Health Product Declaration. The end use product has a published, complete Health Product Declaration with full disclosure of known hazards in compliance with the Health Product Declaration Open Standard.

How Caesarstone Contributors

Caesarstone has a published and complete Health Product Declaration (HPD) that covers all variations of Caesarstone Quartz Surfaces.

Caesarstone Surfaces by Caesarstone		Health Product Declaration v2.1.1																					
CLASSIFICATION: 12 36 61.19 Furnishings: Quartz Agglomerated Countertops	created via HPDC Online Builder																						
PRODUCT DESCRIPTION: 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.																							
Section 1: Summary		Basic Method / Product Threshold																					
CONTENT INVENTORY <table border="1"> <tr> <td>Inventory Reporting Format</td> <td>Threshold level</td> <td>Residu/late/Impurities</td> </tr> <tr> <td><input type="radio"/> Nested Materials Method</td> <td><input type="radio"/> 100 ppm</td> <td><input checked="" type="radio"/> Considered</td> </tr> <tr> <td><input checked="" type="radio"/> Basic Method</td> <td><input type="radio"/> 1,000 ppm</td> <td><input type="radio"/> Not Considered</td> </tr> <tr> <td colspan="3">Threshold Disclosed Per</td> </tr> <tr> <td><input type="radio"/> Material</td> <td><input type="radio"/> Per GHS SDS</td> <td><input type="radio"/> Per OSHA MSDS</td> </tr> <tr> <td><input checked="" type="radio"/> Product</td> <td><input type="radio"/> Other</td> <td><input type="radio"/> Exempted product for Product/Impurities</td> </tr> <tr> <td colspan="3"> <input type="radio"/> Yes <input checked="" type="radio"/> No </td> </tr> </table>			Inventory Reporting Format	Threshold level	Residu/late/Impurities	<input type="radio"/> Nested Materials Method	<input type="radio"/> 100 ppm	<input checked="" type="radio"/> Considered	<input checked="" type="radio"/> Basic Method	<input type="radio"/> 1,000 ppm	<input type="radio"/> Not Considered	Threshold Disclosed Per			<input type="radio"/> Material	<input type="radio"/> Per GHS SDS	<input type="radio"/> Per OSHA MSDS	<input checked="" type="radio"/> Product	<input type="radio"/> Other	<input type="radio"/> Exempted product for Product/Impurities	<input type="radio"/> Yes <input checked="" type="radio"/> No		
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At Substances Above the Threshold Indicated Are Characterized <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No % weight and role provided for all substances except SC substances characterized according to SC guidance.																							
Screened <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No																							
All substances screened using Priority Hazard Lists with results disclosed except SC substances screened according to SC guidance.																							
Identified <input type="radio"/> Yes Ex/SC <input checked="" type="radio"/> Yes <input type="radio"/> No																							
One or more substances not disclosed by Name Specific or Generic and Identifier and/or one or more Special Condition did not follow guidance.																							
CONTENT IN DESCENDING ORDER OF QUANTITY																							
Summary of product contents and results from Screening individual chemical substances against HPD Priority Hazard Lists and the GreenScreen for Solar Chemicals. The HPD does not assess whether using or handling this product will expose individuals to its chemical substances or any health risks. Refer to the Health Product Declaration for more information.																							
MATERIAL / SUBSTANCE / RESIDUAL / IMPURITY																							
Number of Chemicals BM-0900 contains ... 0 Contains highest concern GreenScreen Benchmark or List translator Score ... BM-1 Nonmaterial ... No																							
INVENTORY AND SCREENING NOTES: Special conditions applied: Mixed/Recycled Content, Geological Material [LEED v4] "Yes ex/SC" result is due only to materials and substances for which the "Yes ex/SC" condition applied. Thus "Yes ex/SC" does not qualify the product for the LEED v4 Materials and Resource Disclosure and Optimization credit, Option 1.																							
Substances not identified by name and CAS number are held as proprietary by the manufacturer. All substances include percent by weight and role in product, and have been screened for hazards.																							
CERTIFICATIONS AND COMPLIANCE See Section 2 for additional listings. VOC emissions: UL/GreenGuard Gold Certified Other: ANSI/BIFMA 51 - Furniture Equipment Materials																							
CONSISTENCY WITH OTHER PROGRAMS Pre-checked for LEED v4 Material Ingredients, Option 1																							
Third Party Verified? <input type="radio"/> Yes <input checked="" type="radio"/> No		PREPARED: Self-Prepared VERIFIER: VERIFICATION: SCREENING DATE: 2019-05-01 PUBLISHED DATE: 2019-05-07 EXPIRY DATE: 2022-05-01																					
Caesarstone Surfaces hpdcrepository.hpd-collaborative.org																							

This HPD includes full disclosure of known hazards at an inventory threshold of 1000 ppm, and is available on the **HPD Public Repository**.



Material and Resources (MR)

Credit	How Caesarstone Contributions
MR Credit: Construction and Demolition Waste Management 1-2 Points	Caesarstone Surfaces can be cut to the exact specifications of our customers, meaning that there is the potential for very little to no excess waste to be introduced to the project site from the product itself.
Intent of Credit: To reduce construction and demolition waste disposed of in landfills and incineration facilities by recovering, reusing and recycling materials.	Prefabrication, modular construction or incorporating standard material lengths or sizes into the project's design are all strategies that can help reduce project waste, and thus help contribute to this credit.
Requirements: Recycle and/or salvage nonhazardous construction and demolition materials. Achieve one of the options listed below:	Caesarstone Surfaces are 100% recyclable into concrete or terrazzo, further reducing waste required to be disposed of in landfills.
Option 1 Diversion	 A photograph showing several pieces of Caesarstone quartz surfaces packaging. The packaging is light-colored with the "caesarstone" logo and "Quartz Surfaces" text printed on it. The pieces are arranged in a overlapping, slightly overlapping manner.
Path 1: Divert at least 50% of the total construction and demolition material; diverted materials must include at least two material streams (1 point).	Caesarstone is proud to use environmentally friendly packaging for its products, meaning that packaging materials are easily recyclable in most areas.
OR	
Path 2: Divert at least 75% of the total construction and demolition material; diverted materials must include at least four material streams (2 points).	
OR	
Option 2 Reduction of total waste material 2 points	
Do not generate more than 2.5 pounds of construction waste per square foot (12.2 kilograms of waste per square meter) of the building's floor area.	



Indoor Environmental Quality (EQ)

Credit

EQ Credit: Low-Emitting Materials

1-3 Points

Intent of Credit: To reduce concentrations of chemical contaminants that can damage air quality, human health, productivity, and the environment.

Option 1 Product Category Calculations

Option 2 Budget Calculation Method

Requirements: This credit includes requirements for product manufacturing as well as project teams. It covers volatile organic compound (VOC) emissions in the indoor air and the VOC content of materials, as well as the testing methods by which indoor VOC emissions are determined. Different materials must meet different requirements to be considered compliant for this credit.

General emissions evaluation. Building products must be tested and determined compliant in accordance with California Department of Public Health (CDPH) Standard Method v1.1-2010, using the applicable exposure scenario.

How Caesarstone Contributions

Caesarstone Quartz Surfaces have received **GREENGUARD Gold Certification** from UL Environment.



UL 2818 - 2013 Gold Standard for Chemical Emissions for Building Materials, Finishes and Furnishings.

Building products and interior finishes are determined compliant in accordance with California Department of Public Health (CDPH) Standard Method V1.2-2017 using an Office and Classroom Environment.

Product tested in accordance with UL 2821 test method to show compliance to emission limits on UL 2818. Section 7.1 and 7.2.



Construction & Demolition Waste Management

1-2 Points

OPTION 1 Diversion

Divert at least 50% of the total construction and demolition material and include at least three materials streams (1 pt) or 75% of the total construction and demolition material and include at least four materials streams (2 pts). Caesarstone products are 100% recyclable into concrete or terrazzo.

OPTION 2 Reduction of Total Waste Material

Do not generate more than 2.5 pounds of construction waste per square foot (12.2 kilograms of waste per square meter) of the building's floor area. Caesarstone slabs arrive precut to size at the site, eliminating generation of on-site material waste.

Notes

Option 1 of this credit rewards the project for diverting waste from the landfill. Total diversion rates of 50% or more (into at least three material streams) earn 1 point; total diversion rates of 75% or more (into at least four material streams) earns 2 points.

- The concept of individual waste streams is new to LEED v4.
- An easy way to categorize your streams is to focus on the heaviest waste or the waste that generates the most volume, making steel a viable candidate for an individual waste stream. As a best practice, a material stream should constitute at least 5% by weight or volume of total diverted materials.

Option 2 of this credit rewards the project for reduction of total waste material (2 points). To meet the requirement, there can be no more than 2.5 pounds of construction waste per square foot of the building's floor area.

- Option 2 requires teams plan for not generating waste in the first place. To get the most benefit, this option requires teams to plan for source reduction during design and implement it during construction.
- Prefabrication, modular construction or incorporating standard material lengths or sizes into the project's design can all help reduce waste for this path to the credit.



5101 Empira Black

Product Usage

Manufacturing: 94.5%-95.5% of water used during manufacturing is reclaimed using filtration and recycling systems. Regenerative thermal oxidizers remove particulate matter from the atmosphere, reducing air pollution and ensuring a safer work environment.

Recommended Cleaning & Maintenance: Caesarstone quartz is a very low-maintenance material. Unlike natural stone, it does not require sealing for stain resistance and its appearance can be maintained by simply using soap and water. This improves indoor air quality and removes the environmental impact of sealer and cleaning chemicals.

Product Lifespan: Caesarstone quartz surfaces are very durable. A limited lifetime warranty is available.

Product Reuse: The high strength of Caesarstone quartz surfaces make it possible to remove countertops and other installations without excessive breakage. The durability of the material makes it possible to reuse Caesarstone quartz in another location.

Regional Fabrication: Countertops and other Caesarstone applications can be fabricated by a fabricator located close to the building site.



Webb Foodservice Design
UC San Diego, 64 Degrees
San Diego, CA

Commercial Food Service Installation

The design should provide adequate structural support for both the quartz and any other compressive loads. Additionally, the installation should be designed to minimize thermal and mechanical stress. **Slabs that are 3 cm thick must be used.**

For complete technical support and guidance for the fabrication and installation of food service counters, please see the Commercial Food Service Installation Guide.



4350 Lagos Blue
CSU Fullerton
Webb Foodservice Design

Technical Data

Test Performed	Test Standard	Results
Physical Properties		
Water Absorption	ASTM C97 EN 14617-1	≤0.05% ≤0.05%
Density	ASTM C97 EN 14617-1	≥2.1 gr/cm ³ ≥2.1 gr/cm ³
Flexural Strength	ASTM C880/C880M-15 EN 14617-2	35.5-77.5 MPa 43-80 MPa
Dimensional Stability	EN 14617-12	Class A
Durability		
Impact Resistance	EN 14617-9	5.0-14.4 L (J)
Compressive Strength	ASTM C170 EN 14617-15	Dry: 219-299 MPa; Wet: 203-274 MPa 157-243 MPa
Abrasion	ASTM C1234-93 EN 14617-4	Volume of chord: V=59.2-107.2mm ³ Chord length: 22.0-22.6mm
Freeze-Thaw Resistance	ASTM C1026 EN 14617-2 & EN 14167-5	No defects after 20 freeze-thaw cycles KM _{f25} = 95.1-117.7%
Stain, Chemical Resistance and Cleanability		
Stain Resistance	ANSI Z 124.6	Pass
Chemical Resistance	ANSI Z 124.6 EN 14617-10	Pass Class C ₄
Thermal Properties		
Linear Thermal Expansion	ASTM 372 EN 14617-11	-30°C-100°C: 3.0-5.0 x 10 ⁻⁵ per °C 13.4-26.4 (10 ⁻⁵ ·C ⁻¹)
Thermal Conductivity	EN 12664	0.445-0.475 W/(m·K)
Thermal Shock	EN 14617-6	No visual defects after 20 cycles Change in mass: 0.04% to 0.06% Change in flexural strength: -6.7% to 9.3%
Boiling Water Resistance	ANSI NEMA LD3-3.5	No effect
High Temperature Resistance	ANSI NEMA LD3-2005	No effect



5031 Statuario Maximus

Nichols Booth, 417 Sansome
San Francisco, CA

Technical Data

Test Performed	Test Standard	Results
Safety		
Surface Burning	ATSM E84	Class A
Fire Performance	AS 1530.3: 1999	Ignitability Index (0-20): 6-8 Spread of Flame Index (0-10): 0-3 Heat Developed Index (0-10): 2-3 Smoke Developed Index (0-10): 6-7
Fire Classification	EN 13501-1	Wall chadding: B-s1-d0 Flooring and stairs: B-fl-s1



2141 Blizzard
Allsteel Showroom
New York, NY

Fabrication & Installation

Caesarstone quartz can be fabricated and installed similarly to natural stone. For full fabrication and installation guidelines, please see the Caesarstone Fabrication & Installation Guide at <https://mos.caesarstoneus.com>.

Standard industry references can also be consulted. The Marble Institute of America's **Dimension Stone Design Manual** provides reliable information for many types of interior stone construction, and the Tile Council of America's **Handbook for Ceramic Tile Installation** has recommendations for stone tile installation.



5000 London Grey

Brooks Spreckman of Hutch Design
Tender Greens, Los Angeles, CA

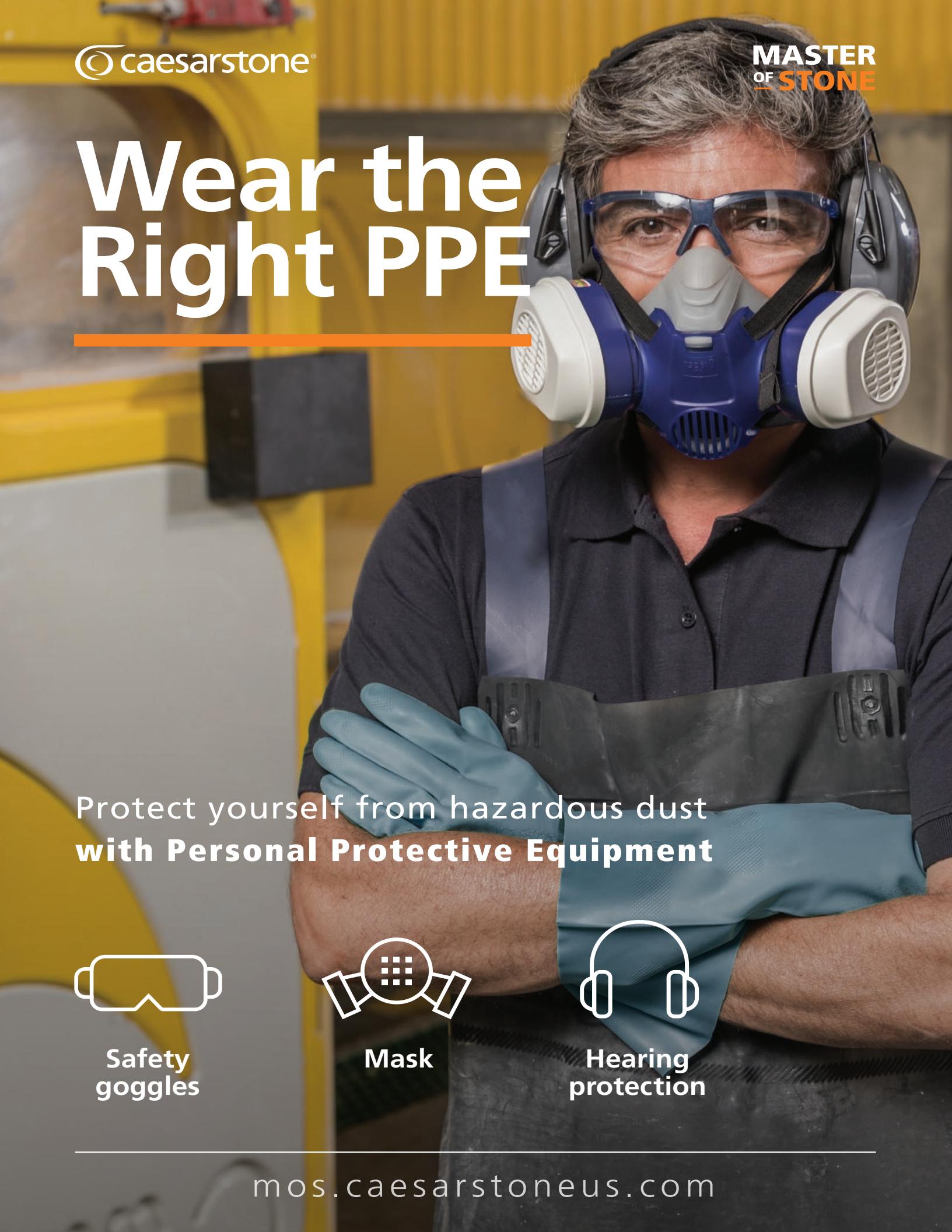


4004 Raw Concrete

OFFICIAL DESIGN

Houndstooth Coffee, Dallas, TX

Wear the Right PPE



Protect yourself from hazardous dust
with Personal Protective Equipment



Safety
goggles



Mask



Hearing
protection

MASTER OF STONE

Caesarstone, the inventor of quartz surfacing, is proud to lead the safety revolution for the industry with the **MASTER OF STONE** education program. The extensive program was created for fabricators and addresses issues of health and safety in the workplace with a special emphasis on creating a space free of the dangers of hazardous respirable crystalline silica dust, the root cause of silicosis. Caesarstone, unlike many quartz surfacing companies, has no financial interest in any fabricator business, but is investing in them nonetheless with the **MASTER OF STONE** program. The program is free and available to anyone in the industry dealing with the hazardous dust risk and its implications. While Caesarstone has always had a robust training and communications program for its fabricator partners, **MASTER OF STONE** leverages many years of research and development to help educate all fabricators on health & safety, professional knowledge and more. The website is accessible to everyone and presents the complex material in a user-friendly manner.

All the information is available via the **Caesarstone MASTER OF STONE Training Center** website (<https://mos.caesarstoneus.com>), where information, guidelines, methods and collateral are provided to all who enroll. Caesarstone is determined to become part of the solution by being proactive and leading the revolution to create a safer work environment for all.



1141 Pure White
Mercer Kitchen

Availability

Stocked colors and textures are inventoried in convenient locations throughout North America. Caesarstone is also available internationally.

Costs: Caesarstone quartz is priced below the cost of many natural stones. Additional savings result from Caesarstone quartz's strength that can simplify fabrication, reduce breakage and allow for the use of thinner materials. Its durability and low maintenance requirements provide longer lifespans.

Current pricing is available by contacting us at www.caesarstoneus.com and filling out a [Contact Us](#) form.



1141 Pure White
Lowe's Hotel
New York, NY



1141 Pure White
Mercedes House
New York City



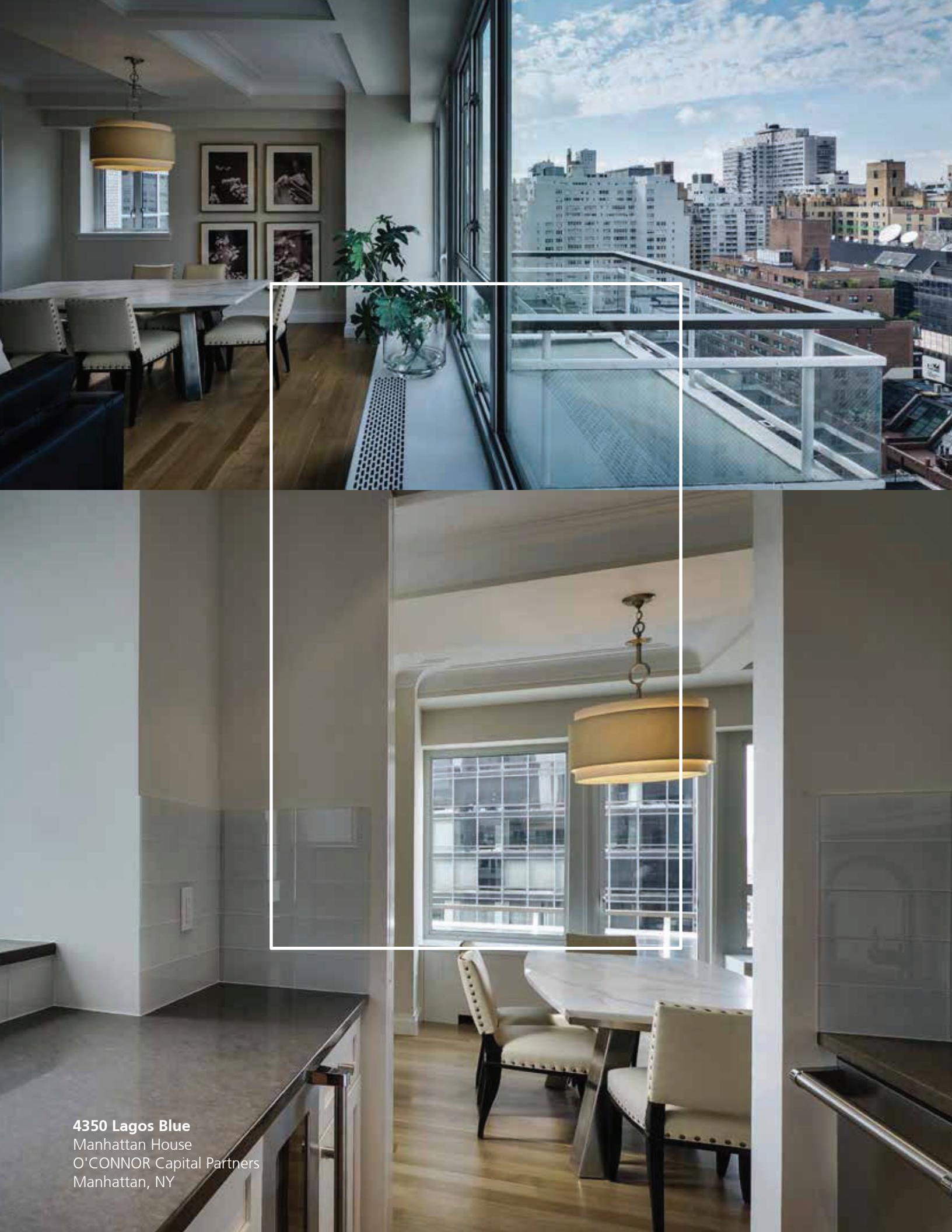
5131 Calcutta Nuvo
566 Carroll Street Townhouse
Brooklyn, NY



1141 Pure White
Two Trees 60 Water St
New York City



2141 Blizzard
Toy Factory
Biscuit Lofts
New York City



4350 Lagos Blue
Manhattan House
O'CONNOR Capital Partners
Manhattan, NY



2141 Blizzard
Hyatt Times Square Restaurant
New York, NY

Lifetime Warranty

Covered. For Life.

Lifetime Residential and Commercial Warranties are available for Caesarstone surfaces. Caesarstone warrants that its quartz surfacing material complies with Caesarstone's published product data.

Because Caesarstone does not have control over fabrication or installation, Caesarstone disclaims incidental and consequential damages and the buyer's sole remedy is repair or replacement of defective material at Caesarstone's discretion. Please refer to our warranty guidelines for all terms, conditions and exclusions.

* Some restrictions apply. Copies of our Lifetime Warranty are available on our website. Learn more by visiting www.caesarstoneus.com or calling 877.978.2798



**Caesarstone U.S.
Manufacturing Facility**
Richmond Hill, GA



Corporate Office

1401 W Morehead St
Charlotte, North Carolina 28208

T 877.978.2789
F 980.299.1029

info@caesarstoneus.com
www.caesarstoneus.com

Cover: 4033 Rugged Concrete

Some photos used in this brochure include creative applications that may not be covered by Caesarstone's Residential Lifetime Warranty. Please refer to your fabricator and our warranty guidelines for further details.

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 **caesarstone®**