



STARON RECYCLED SERIES

SOLID SURFACE PRODUCTS WITH CERTIFIED RECYCLED CONTENT

Staron, a division of worldwide technology leader Samsung, offers a range of Staron solid surface products '**Staron recycled series**' that are **SCS Material Content Certified**.

Staron recycled series products are manufactured using Pre-consumer Recycled Content, resulting in a reduction of industrial waste and energy consumption utilized during the manufacturing process. Using recycled content helps conserve energy and resources, alleviates pressure on landfill space and reduces the need for transportation during certain phases of a product's life cycle.

In addition to SCS Certification, all Staron colors including Staron recycled series feature **GREENGUARD** and **GREENGUARD Children & Schools certification** and is listed as a low-emitting interior building product, further adding to its eligibility as a contributing product toward LEED points.

STARON RECYCLED SERIES

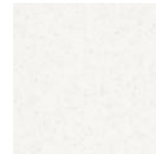
SANDED



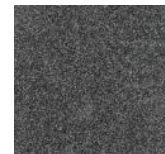
Sanded Noir
Minimum 30%



Sanded Wheat
Minimum 25%



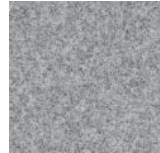
Sanded Cream
Minimum 3%



Sanded Dark Nebula
Minimum 3%



Sanded Gold Dust
Minimum 3%



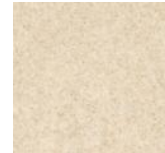
Sanded Grey
Minimum 3%



Sanded Mocha
Minimum 3%



Sanded Onyx
Minimum 3%

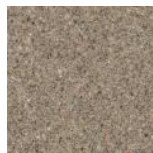


Sanded Sahara
Minimum 3%



Sanded Vermillion
Minimum 3%

ASPEN



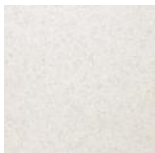
Aspen Brown
Minimum 3%



Aspen Mine
Minimum 3%

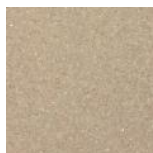


Aspen Pepper
Minimum 3%



Aspen Snow
Minimum 3%

PEBBLE



Pebble Fennel
Minimum 30%



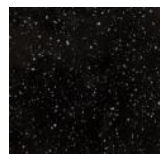
Pebble Basalt
Minimum 25%



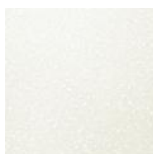
Pebble Blue
Minimum 3%



Pebble Copper
Minimum 3%



Pebble Ebony
Minimum 3%



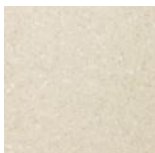
Pebble Frost
Minimum 3%



Pebble Gold
Minimum 3%



Pebble Grey
Minimum 3%



Pebble Saratoga
Minimum 3%



Pebble Seastar
Minimum 3%



Pebble Sienna
Minimum 3%

QUARRY



Quarry Bluff
Minimum 3%



Quarry Mesa
Minimum 3%

TALUS



Talus Oyster
Minimum 3%



The following information will assist architects, specifiers, and designers who pursue the **LEED** Green Building Rating System for New Construction and Major Renovations using Staron solid surface as components to interior architecture, casework and surfaces:

The **LEED** 2009 Green Building Rating System for New Construction and Major Renovations is a set of performance standards for certifying the design and construction of commercial or institutional buildings and high-rise residential buildings of all sizes, both public and private. The intent is to promote healthful, durable, affordable, and environmentally sound practices in building design and construction.

Materials & Resources (MR) Credit 4: Recycled Content (1–2 Points)

Intent

To increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

Requirements

Use materials with recycled content such that the sum of postconsumer recycled content plus 1/2 of the preconsumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project. The minimum percentage materials recycled for each point threshold is as follows:

Recycled Content	Points
10%	1
20%	2

The recycled content value of a material assembly is determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value.

Mechanical, electrical and plumbing components and specialty items such as elevators cannot be included in this calculation. Include only materials permanently installed in the project. Furniture may be included if it is included consistently in MR Credit 3: Materials Reuse through MR Credit 7: Certified Wood.

Potential Technologies & Strategies

Establish a project goal for recycled content materials, and identify material suppliers that can achieve this goal. During construction, ensure that the specified recycled content materials are installed. Consider a range of environmental, economic and performance attributes when selecting products and materials.

Staron Recycled Series

*Twenty-eight (28) colors of the Staron solid surface are third-party certified by **SCS**. These products contain a percentage of pre-consumer recycled materials that are diverted from the waste stream during the manufacturing process; thereby, reducing the processing of virgin materials. The products can help to earn **LEED**[®] Credits in the category under **Materials & Resources (MR) Credit 4**.*



Materials & Resources (MR) Credit 3: Materials Reuse (1–2 Points)

Intent

To reuse building materials and products to reduce demand for virgin materials and reduce waste, thereby lessening impacts associated with the extraction and processing of virgin resources.

Requirements

Use salvaged, refurbished or reused materials, the sum of which constitutes at least 5% or 10%, based on cost, of the total value of materials on the project. The minimum percentage materials reused for each point threshold is as follows:

Reused Materials	Points
5%	1
10%	2

Mechanical, electrical and plumbing components and specialty items such as elevators and equipment cannot be included in this calculation. Include only materials permanently installed in the project. Furniture may be included if it is included consistently in MR Credit 3: Materials Reuse through MR Credit 7: Certified Wood.

Potential Technologies & Strategies

Identify opportunities to incorporate salvaged materials into the building design, and research potential material suppliers. Consider salvaged materials such as beams and posts, flooring, paneling, doors and frames, cabinetry and furniture, brick, and decorative items.

Staron solid surface

Staron solid surface is easily repaired or refinished to original condition, thus minimizing replacement or disposal. These surfaces may also be redesigned and refabricated into entirely new products.



ID Credit 1: Innovation in Design (1–5 Points)

Intent

To provide design teams and projects the opportunity to achieve exceptional performance above the requirements set by the LEED Green Building Rating System and/or innovative performance in Green Building categories not specifically addressed by the LEED Green Building Rating System.

Requirements

Credit can be achieved through any combination of the Innovation in Design and Exemplary Performance paths.

Potential Technologies & Strategies

Substantially exceed a LEED 2009 for New Construction and Major Renovations performance credit such as energy performance or water efficiency. Apply strategies or measures that demonstrate a comprehensive approach and quantifiable environment and/or health benefits.

Staron Solid Surfaces

Engineering of finished products incorporating Staron solid surface materials may help reduce waste through custom sizing, while also reducing waste and labor. The materials may also be integrated into modular designs allowing for additional flexibility.

INDOOR ENVIRONMENTAL EQUALITY

Staron solid surface has passed the requirements of two **GREENGUARD** certification programs. **GREENGUARD Indoor Air Quality Certified[®] product** certification is granted for low-emitting interior building materials, furnishings and finish systems. The more stringent **GREENGUARD for Children & SchoolsSM** certification is granted for low-emitting interior building materials, furnishings and finish systems used in educational (daycare and K-12) environments. The positive results streamline the process for attaining points toward **LEED[®]** for Commercial Interiors certification in its Environmental Quality (EQ) 4.5 section. Any architect, builder or developer who includes **GREENGUARD**-certified Staron solid surface products in commercial, institutional or multi-family housing projects will no longer have to wait for the otherwise lengthy **LEED[®]** certification process for its “Low-Emitting Materials, Systems Furniture and Seating” category.

Note: The LEED[®] Green Building Rating System[™] does not certify, endorse or promote any products, services or companies, nor do we track, list or report data related to products and their environmental qualities. LEED is a certification system that deals with the environmental performance of buildings based on the overall characteristics of the project. USGBC does not award credits based the use of particular products, but rather upon meeting the standards in our Rating Systems. All of USGBC's Rating Systems and supporting documentation templates are available for free download at www.usgbc.org/leed.



ABOUT SCS

SCS (*Scientific Certification Systems*) is a global leader in independent certification of environmental and sustainability claims. For more than two decades, SCS has developed internationally recognized standards and certification programs aimed at spurring the highest level of environmental improvements, social accountability and product performance. SCS programs span a wide cross-section of the economy, recognizing accomplishments in agricultural production, food processing and handling, forestry, fisheries, flowers and plants, energy, green building, consumer and business product manufacturing, and corporate social responsibility. The *SCS Material Content Certification* verifies that Samsung Cheil Industries, inc. is working responsibly to minimize environmental impact during the manufacturing process.



For more information, please visit www.SCScertified.com.

ABOUT USGBC

The U.S. Green Building Council (USGBC) is a nonprofit organization that certifies sustainable businesses, homes, hospitals, schools, and neighborhoods. USGBC is dedicated to expanding green building practices and education through its *LEED*[®] (Leadership in Energy and Environmental Design) Green Building Rating System[™]. Samsung Cheil Industries, Inc., the producer of Staron solid surface and Radianz quartz surface products are a current member.



For more information, please visit www.usgbc.org.

ABOUT LEED

The Leadership in Energy and Environmental Design (*LEED*[®]) Green Building Rating System[™] developed by the U.S. Green Building Council (USGBC) encourages global adoption of sustainable green building and development practices. Architects, facility managers, engineers, interior designers, construction managers, government officials, and others use *LEED*[®] to help transform the built environment to sustainability. Staron solid surfaces and Radianz quartz surfaces products are eligible to contribute towards the *LEED*[®] 2009 Rating System for many projects.