

DuPont™ Corian®

CONTRIBUTES TO GREEN BUILDING DESIGN
WORKING WITH U.S. GREEN BUILDING
COUNCIL AND LEED®



Corian®, the original solid surface material invented by DuPont, continues to evolve into new and exciting applications. In addition to the performance and aesthetic benefits you've come to expect, Corian® provides a range of environmentally friendly benefits:

- Corian® is a durable, long-lasting and renewable surface material that fulfills the goal of sustainable design, reducing environmental footprint.
- Corian® designs and installations are manufactured locally by a network of 4,000 DuPont Certified Fabricators/Installers, reducing environmental impact from transporting finished products long distances.
- Corian® has low impact on both indoor and outdoor environments, including ground, vegetation and water resources, since it does not react readily with other chemicals.

The U.S. Green Building Council developed the LEED™ Green Building Rating System as a voluntary national standard for designing high-performance, sustainable buildings.

No product can earn LEED® (Leadership in Energy and Environmental Design) certification since USGBC awards such certification only to buildings. However, specifying Corian® for a variety of installations, can help construction projects earn points in several categories.



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MATERIALS & RESOURCES (MR) CATEGORY

MR credit 1.3: Building Reuse (1 point)

Design Intent: Extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport.

Requirements: Maintain 100% of existing building structure and shell (exterior skin and framing, excluding window assemblies and non-structural roofing material) AND at least 50% of non-shell areas (interior walls, doors, floor coverings and ceiling systems).

Corian® is durable and long-lasting, so it may remain on walls and floors when the building finds a new use, thus reducing the need to raise new building structures. If the requirements pertaining to existing building structure and shell are satisfied, then Corian® can contribute to earning the point in this category.

MR credit 3.1, 3.2: Resource Reuse (1-2 points)

Design Intent: Reuse building materials and products in order to reduce demand for virgin materials and to reduce waste, thereby reducing impacts associated with the extraction and processing of virgin resources.

Requirements: Use salvaged, refurbished, or reused materials, products, and furnishings for at least 5% (Credit 3.1) or 10% (Credit 3.2) of building materials.

Corian® is durable and renewable, it can be easily repaired, refinished, and brought back to its original condition, thus minimizing the need to replace or dispose of it. It can also be removed, recut and either reinstalled as new design, or seamlessly reworked into new products.

MR credit 5.1: Regional Materials (1 point)

Design Intent: Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the regional economy and reducing the environmental impacts resulting from transportation.

Requirements: Use a minimum of 20% of building materials and products that are manufactured regionally within a radius of 500 miles.

Through a national network of at least 4,000 DuPont Certified Fabricators/Installers, in almost all cases the point of manufacture of Corian® installations would be within 500 miles of the construction sites. Manufacturing as defined by the USGBC refers to the final assembly of components into the building product that is furnished and installed by the tradesmen.



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INDOOR ENVIRONMENTAL QUALITY (EQ) CATEGORY

EQ credit 4.1: Low-Emitting Materials: Adhesives & Sealants (1 point)

Design Intent: Reduce the quantity of indoor air contaminants that are odorous, potentially irritating and/or harmful to the comfort and well-being of installers and occupants.

Requirements: The VOC content of adhesives and sealants used must be less than the current VOC content limits of South Coast Air Quality Management District (SCAQMD) rule #1168 AND all sealants used as fillers must meet or exceed the requirements of the Bay Area Air Quality Management District Regulation 8, Rule 51.

The joint adhesives and sealants used in Corian® applications have low VOC emissions, complying with the standards set by California's South Coast and Bay Area Air Quality Management Districts.

Our Commitment to Sustainable Building Solutions

DuPont is at the forefront of the search for new sustainable building solutions that improve comfort, enhance life around the world and have zero impact on the environment. We will continue to work closely with the U.S. Green Building Council and other nonprofit and government agencies to produce increasingly environmentally sustainable building solutions for a healthy future.



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SOLID SURFACES

Learn more about DuPont™ Corian® and sustainable green design.

www.Corian.com

U.S. Green Building Council

www.usgbc.org

