

LEED for New Construction

LEED for New Construction and Major Renovations (LEED-NC) is a green building rating system that was designed to guide and distinguish high-performance commercial and institutional projects, with a focus on office buildings. Practitioners have also applied the system to K-12 schools, multi-unit residential buildings, manufacturing plants, laboratories and many other building types.

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).

Wilsonart® Solid Surface sheet sizes can be customized to minimize waste for both vertical and horizontal surfaces. It boasts the performance and durability to survive the rigors of everyday use. Its nonporous surface requires no sealing to provide a hygienic surface with FDA and NSF approval for food preparation areas. A surface with natural bacteria, mold, mildew and stain resistance.

If the requirements pertaining to existing building structure and shell are satisfied, then Wilsonart® Solid Surface 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.

Wilsonart® Solid Surface homogenous colors and patterns cannot fade or wear away, and are easy maintained with ordinary cleaners. Even if slightly marred, it can be completely renewed. Deep nicks, gouges, or damage that would normally disfigure most surfaces can be permanently repaired to its original condition. Thus minimizing the need to replace or dispose of it. Wilsonart® Solid Surface can be reconfigured to use with modified or new applications.

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.

Wilsonart Solid Surface maintains a national Certified Fabricator network. In most cases the fabrication point would be within an approximate 500 mile radius of the construction sites.

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.

Gibraltar Resins used in Wilsonart Sinks and Bowl production are received in bulk quantities with vapor recovery systems which eliminates VOC emissions. The joint adhesives and sealants used in Wilsonart® Solid Surface applications have very low VOC emissions, complying with the standards set by California's South Coast and Bay Area Air Quality Management Districts.

Our Environmental Commitment to Improved Building Solutions

For almost 50 years, Wilsonart International has been a responsible member of the global community. And in recent years, as our manufacturing and distribution networks have grown into a worldwide network, our impact on the environment has become an increasingly important part of our culture. The fact is environmental responsibility is a policy to us, not a one-time project. It's simply good business.

