



Building Today and Tomorrow with Green in Mind

Hanwha L&C | Surfaces, part of the Korean-based Hanwha Group conglomerate, is a member of the U.S. Green Building Council (USGBC), the promulgator of Leadership in Energy and Environmental Design™ (LEED®) green building guidelines. We are committed to being a pro-environment company creating eco-friendly products for the marketplace. We focus our product research and development, manufacturing approach and recycling efforts toward demonstrating how we value the environment and wish to protect its future for generations to come.

Reduce, Reuse and Recycle

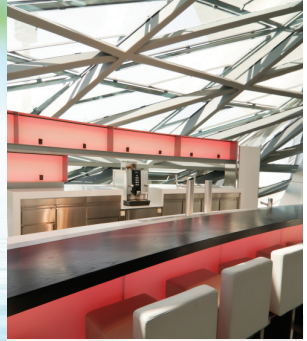
Most often referred to as the “three R’s”, the phrase “Reduce, Reuse, Recycle” is a simple formula that encourages people, businesses, and municipalities to utilize goods that are already manufactured rather than continue to use only limited raw materials to produce replacement goods. Hanwha L&C | Surfaces is committed to implementing this simple formula at all North American locations to achieve the following goals:

- prevent pollution and promote reuse and recycling;
- reduce priority and toxic chemicals in products and waste; and
- conserve energy and materials.

From recycling 100% of the water used in the production process, installing an air purification system to remove pollutants from the air to a system that collects all dust within the plant, we strive to ensure a healthy workplace along with an eco-conscious approach in product development, waste management and conservation efforts.



Hanwha Surfaces Design & LEED



Hanex® Solid Surfaces

Specifying Hanwha Surfaces products in green building projects can also contribute to LEED certification points. All of the surfaces are low VOC in accordance with GREENGUARD's Indoor Air Quality standards and clean easily with no need for chemical detergents.

Hanwha Surfaces' Products qualify for LEED Certification points:

We offer products which support a building project's effort to achieve certification under the US Green Building Council's LEED® (Leadership in Energy and Environmental Design) Green Building Rating System™. LEED does not certify an individual product but rather awards points based on meeting the specific performance standards. Our environmentally friendly manufacturing processes and products may also satisfy other requirements for projects that desire to incorporate "green" materials.

LEED POINTS AVAILABLE USING HANEX:

According to USGBC Version 3, 2009 Edition

Materials & Resources:

MR Credit 3 Materials Reuse:

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:"

Qualifying Products:

All of the Hanex products can be reused.



REUSED MATERIALS	POINTS
5%	1
10%	2





MR Credit 4 Recycled Content:

Intent:

“To increase demand for building products that incorporate recycled content material, thereby reducing impacts resulting from extraction and processing of virgin materials.” “Use materials with recycled content such that the sum of postconsumer recycled content plus ½ 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 as follows:”

Qualifying Products:

- Honey Wheat: Minimum 3% Pre-consumer recycled chip content
- Mist: Minimum 3% Pre-consumer recycled chip content
- Stone Hedge: Minimum 3% Pre-consumer recycled chip content
- Havana Sand: Minimum 8% Pre-consumer recycled chip content
- Desert Castle: Minimum 8% Pre-consumer recycled chip content
- Terra Sienna: Minimum 10% Pre-consumer recycled chip content

RECYCLED CONTENT	POINTS
10%	1
20%	2

MR Credit 5 Regional Materials:

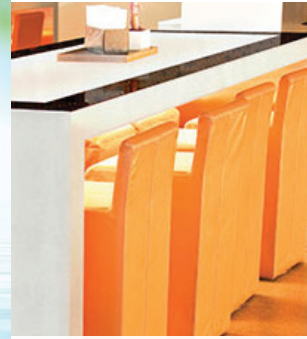
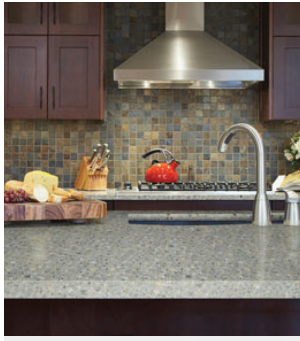
Intent:

“To increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.”

Requirements:

“Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value.





If only a fraction of a product or material is extracted, harvested, or recovered and manufactured locally, then only that percentage (by weight) must contribute to the regional value. The minimum percentage regional materials for each point threshold is as follows:”

Qualifying Products:

Fabrication can be considered “final” place of assembly, therefore if the fabricator is located within 500 miles, then all Hanex colors are qualifying.

REGIONAL MATERIALS	POINTS
10%	1
20%	2

Indoor Environmental Quality:

IQ Credit 4.1 Low-Emitting Materials-Adhesives & Sealants:

Intent:

“To reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants.”

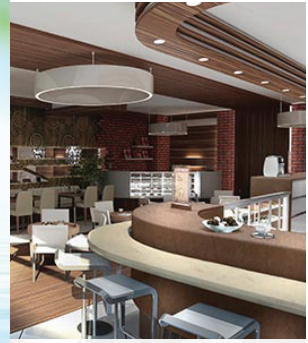
Requirements:

“All adhesives and sealants used on the interior of the building (i.e., inside of the weatherproofing system and applied on-site) must comply with the following requirements as applicable to the project’s scope: Adhesives, Sealants and Sealant Primers must comply with South Coast Air Quality Management District (SCAQMD) Rule #1168.”

Qualifying Products:

All Hanex materials can qualify if the VOC content of adhesives is less than the current limit specified in SCAQMD Rule #1168.

POINTS
1



Innovation in Design:

ID Credit 1 Innovation in Design:

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:

Path 1. Innovation in Design

POINTS
1-5 for NC & CS
1-4 for Schools

Path 2. Exemplary Performance

POINTS
1-3

Qualifying Products:

All HanStone products are both GREENGUARD certified for Children & Schools as well as indoor air quality and therefore may be able to contribute to this credit.



Hanwha Surfaces, North America Toll Free: 888-426-9421



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