

Leadership in Energy and Environmental Design (LEED)

POMPANO BEACH PLANT

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Pompano Beach, FL 33069
954 972 7400
800 273 7084

HAINES CITY PLANT

1980 Marley Drive
Haines City, FL 33844
863 421 7422
888 755 8711

LEHIGH ACRES PLANT

421 Leonard Boulevard North
Lehigh Acres, FL 33971
239 368 9700
888 723 2197

NAPLES SHOWROOM

6230 Shirley Street, Ste. 103
Fairway Trade Villages
Naples, FL 34109
239 597 2060

SARASOTA SHOWROOM

4587 Bee Ridge Road
Sarasota, FL 34233
941 343 0408



The need for sustainable development has become a leading issue among governments, developers, designers, builders and citizens. The Leadership in Energy and Environmental Design (LEED®) Green Building Rating System has become the accepted measure for sustainable development or green building construction within the United States and Canada. Currently, there are LEED rating systems for new construction, commercial interiors, existing building operations and management, core and shell development, homes, neighborhood development and schools. Other systems are being continually developed to promote the design, renovation, operation and construction of different types of sustainable buildings.

Hanson’s architectural hardscape products can be used toward achieving LEED credits in several new construction or major renovation categories, including Sustainable Sites, Materials and Resources, Durable Building and Innovative Ideas and Designs. The following chart identifies the opportunities for LEED certification utilizing Hanson’s architectural hardscape products.

Category	US Green Building Council (USGBC) Requirement	Canada Green Building Council (CAGBC) Requirement	Suggested LEED Strategy	Hanson Solutions	Points
SS 6.1 Sustainable Sites	1) For imperviousness < 50%, ensure post-development peak discharge rate does not exceed pre-development peak discharge rate and quantity for one year and two year 24 hour storm, OR 2) Implement stormwater plan that protects receiving stream channels from excessive erosion using a stream channel protection plan, OR 3) For imperviousness > 50%, develop plan to reduce stormwater runoff by 25% from two year 24 hour storm.	1) For impervious sites of < 50%, ensure post-development peak discharge rate does not exceed pre-development peak discharge rate and quantity for 1.5 year 24 hour storm, OR 2) For impervious sites > 50%, develop plan to reduce stormwater runoff by 25% in rate and quantity.	Utilize permeable paving or concrete grid paving	a) Aquaflow® Permeable Paving System b) Turf Block™ c) Pervious Paver	1
SS 6.2 Sustainable Sites	1) Implement stormwater management plan that reduces impervious cover, promotes infiltration and captures and treats stormwater runoff from 90% of average annual rainfall, resulting in removal of 80% of the TSS.	1) Remove 80% of the post-development TSS and 40% of the post-development TP, based on average annual loadings from all storms less than or equal to two year 24 hour storm.	Natural or mechanical treatment systems	a) Aquaflow® Permeable Paving System b) Turf Block™	1
SS 7.1 Sustainable Sites	1) For 50% of hardscape: provide Solar Reflective Index of at least 29. 2) Open grid paving system.	1) Provide light coloured/high albedo materials (Solar Reflective Index of at least 29) and/or open grid pavement for min. 50% of site’s non-roof impervious surfaces.	Use high albedo paving stones or open grid paving	a) Aquaflow® Permeable Paving System b) Turf Block™ c) Any Hanson interlocking concrete paver with completed albedo testing	1

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Continued from front

Category	US Green Building Council (USGBC) Requirement	Canada Green Building Council (CAGBC) Requirement	Suggested LEED Strategy	Hanson Solutions	Points
SS 7.2 Sustainable Sites	1) Use roofing materials having a Solar Reflectance Index (SRI) equal to or greater than 78 for low sloped roof and 29 for steep sloped roof, OR 2) Install high albedo materials in combination with vegetated surfaces.	1) Use roofing materials having a Solar Reflectance Index (SRI) equal to or greater than 78 for low sloped roof and 29 for steep sloped roof, OR 2) Combinations of high albedo and vegetative roof for 75% of roof surface.	Use high albedo paving and vegetative roofs	a) Any Hanson interlocking concrete paver with completed albedo testing b) Any Hanson architectural tile or slab paver with completed albedo testing*	1
MR 4.1 / 4.2 Material & Resources	1) Use materials where 100% post-consumer recycled content plus 1/2 pre-consumer content makes up 10% or 20% of total value of materials.	1) Use materials where 100% post-consumer recycled content plus 1/2 pre-consumer content makes up at least 7.5% or 15% of total value of materials.	Identify suppliers with ability to provide recycled content in products	a) Most Hanson products utilize recycled content. Call Hanson with questions regarding specific products.	2
MR 5.1 / 5.2 Regional Materials	1) Use building materials or products that have been extracted, harvested or recovered and manufactured within 500 miles of project site for 10% or 20% of the total materials value.	1) Use a minimum of 10% or 20% of building materials or products for which at least 80% of the mass is extracted, processed and manufactured within 800 km of project site.	Identify suppliers within established radii	a) Hanson manufacturing facilities are located in Florida, Michigan, Virginia and Ontario. Call Hanson for product specific manufacturing site.**	2
MR 8 Durable Building	n/a	1) Develop and implement a plan for the building's durability.	Minimize premature deterioration of walls and roof	a) Any Hanson interlocking concrete paver, architectural tile or slab paver for exterior roof surface.	1
ID 1.1 / 1.2 Innovation and Design Process	1) Innovation and design exceeding current LEED addressed categories.	1) Innovation and design exceeding current LEED addressed categories.	Strategies beyond LEED requirements	a) Hanson paving products life cycle b) Reuse/reinstatement capabilities of any product produced by Hanson (paving stones, architectural tiles, retaining walls, slab pavers).	2

* Call Hanson for product data on reflectance and SRI values. Products under testing at time of publishing.
**Not all products are manufactured at all facilities. Call Hanson for product specific manufacturing site.

References:

- 1) LEED-NC, Green Building Rating System for New Construction & Major Renovations, version 2.2, October 2005, US Green Building Council.
- 2) LEED Green Building Rating System for New Construction & Major Renovations LEED Canada-NC, Version 1, December 2004, Addendum 1.0, March 2007, Canada Green Building Council.
- 3) ICPI Tech Spec Number 16, Achieving LEED Credits with Segmental Concrete Pavement, 2005, ICPI

hansonhardscapes.com

Contact Hanson Hardscape Products at 1 800 273 7084 for more information.

