



James Hardie's Commitment to Developing and Building Sustainably

“The single most important factor in green architecture is durability. If you want something to be green it has to last a long time. It has to handle water, heat and UV radiation. Fiber-cement handles all three exceptionally well.”

—Joseph Lstiburek, BASC, MENG., PhD, PENG

At James Hardie, we believe that our products' durability is a testament to our commitment to helping you build better, more sustainable projects. It comes down to this—things built to last will require less of tomorrow's resources. How? Lower maintenance.

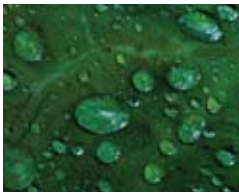
While all green programs share the overall goal of environmental awareness, they do not always measure every way a product can contribute toward a better structure. Durability, noncombustibility, less need for paint and upkeep—all of these are important factors in green building.

The U.S. Green Building Council (USGBC)—of which James Hardie is a member—has created national guidelines with the points-based Leadership in Energy and Environmental Design (LEED) Program. Although points are not awarded for use of specific materials, James Hardie® products may contribute to the following LEED NC points: MR 5.1 and 5.2 (Regional Materials) and MR 4.1 and 4.2 (Recycled Content).*

*For programs requiring documentation of Recycled Content or Regional Materials, call James Hardie Technical Services (1-866-4HARDIE) with the project zip code and the materials specified. Technical Services will provide a letter documenting the specific products recycled and regional content.

Thinking Green: Why You Should Consider James Hardie

- Longer lasting materials not only require fewer resources for replacement, but also reduce maintenance and repair costs.
- Manufacturing processes focus on quality, first-run materials. Zero to Landfill project aims to reduce the amount of raw materials waste sent to the landfills by half.
- Artisan by James Hardie products contain 10% post-industrial or pre-consumer recycled content.
- James Hardie® siding is noncombustible in accordance with ASTM E 136 and can be installed to achieve MIAMI-DADE Large and Small Missile Impact Rating.
- Our manufacturing facilities support the regional economy and reduce the environmental impact caused by transportation of materials.
- Raw materials that are extracted and processed near each manufacturing facility also reduces transportation.
- Unique ColorPlus® Technology manufacturing process includes the selection of low VOC paints; which are baked on in our factories, delivering quality, consistent and durable finish. A 15-year finish warranty ensures reduced need for repainting.
- James Hardie minimizes fresh water usage by recycling water in it's plants up to four times.



Resists Damage From Wet, Humid Climates



Resists Damage From Cold, Climates



Resists Flame Spread



Resists Damage From Wind and Hail



Resists Damage from Insects

NATIONAL GREEN GUIDELINE PROGRAMS	JAMES HARDIE SIDING PRODUCTS	HARDIEBACKER® CEMENT BOARD	ARTISAN™ SIDING PRODUCTS
Projects seeking USGBC LEED® certification	MR 5.1 and 5.2 Regional Materials ¹ ; ID2.1 Durability and Planning Credit ² ; ID2.4 Third Party Durability Inspection ⁴ ; SSc5 Pest Control Alternatives ³	MR 4.1 and 4.2 Recycled Content ¹ ; MR 5.1 and 5.2 Regional Materials ¹ ; ID 2.2 Indoor Moisture Control ⁶	MR 4.1 and 4.2 Recycled Content, MR 5.1 and 5.2 Regional Materials ¹ ; ID2.1 Durability and Planning Credit ² ; ID2.4 Third Party Durability Inspection ³ ; SSc5 Pest Control Alternatives ³
NAHB's Voluntary Model Green Home Building Guidelines	2.1.5 No additional finish resources to complete application onsite ⁵ ; 2.2.8 Termite resistant materials; 2.7.1 Products that contain fewer resources than traditional products; 2.8.1 Locally available materials	2.4.1 Recycled content; 2.8.1 Locally available. 5.3.2 Moisture management ⁶	2.2.8 Termite resistant materials; 2.4.4.1 Recycled Content; 2.8.1 Locally available materials

¹LEED-NC (commercial) only. ²LEED for Home residential pilot only. ³Fiber-cement can be used to protect the foundation insulation. LEED for Home only. ⁴Durability Inspection Checklist in LEED for Home includes issues with Pests and Natural Disasters. ⁵JH siding with ColorPlus® Technology is delivered to the jobsite pre-painted. ⁶Non paper-faced backerboard.



26300 La Alameda, Suite 400, Mission Viejo, CA 92691 • 1.866.4HARDIE • 1.866.442.7343 • www.jameshardie.com



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