Developing and Building Sustainably with James Hardie

James Hardie is committed to helping you build better, more sustainable projects by working with building science experts to understand the role our products play in the building envelope. While products alone do not provide points, the following information will help you determine how James Hardie products contribute toward the overall performance of the building.

For programs requiring documentation of Recycled Content or Regional Materials:

Call James Hardie Technical Services at 1-866-4HARDIE • Provide the project zip code
• Provide materials specified • Technical Services will provide a letter documenting James Hardie's contribution

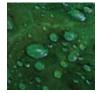
NATIONAL GREEN GUIDELINE PROGRAMS	JAMES HARDIE SIDING PRODUCTS	JAMES HARDIE BACKER BOARD
Projects seeking USGBC LEED® certification	MR 5.1 and 5.2 Regional Materials ¹ ; ID2.1 Durability and Planning Credit ² ; ID2.4 Third Party Durability Inspection ⁴ ; SSc5 Pest Control Alternatives ³	MR 4.1 and 4.2 Recycled Content ¹ ; MR 5.1 and 5.2 Regional Materials ¹ ; ID 2.2 Indoor Moisture Control ⁶
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

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.

While all green programs share a common goal of more efficient, healthier building, they do not always measure every way a product can contribute toward a better structure. Durability, non-combustibility, less need for paint – all of these are important factors in green building:



- Ten 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.
- Raw materials are low in toxicity wood pulp, cement, sand and water (recycled up to 4 times).
- Longer lasting materials not only require fewer resources for replacement but also reduce maintenance and repair costs.
- Unique ColorPlus manufacturing process bakes on paint in our factories delivering a quality, consistent finish, eliminating VOCs during exterior painting. 15-year finish warranty ensures reduced need for repainting.
- James Hardie siding is non-combustible in accordance with ASTM E 136 and can be installed to achieve MIAMI-DADE Large and Small Missile Impact Rating.
- Manufacturing processes focus on quality, first-run materials. Zero to Landfill project aimed at reducing amount of raw materials waste sent to the landfills by half.



Resists Damage From Wet, Humid Climates



Resists Damage From Cold, Climates



Resists Flame Spread



Resists Damage From Wind and Hail



Resists Damage from Insects

GREEN EXPERTS:

"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

"Green programs are intended to provide guidelines, however, they don't account for everything – good, common sense tells you that if a product is durable, doesn't rot, it will make your building better."

- Peter Pfeiffer



1-866-4-HARDIE (1-866-442-7343) www.jameshardie.com



