



# Sustainability meets **DESIGN & DURABILITY**

*Featuring James Hardie® siding and trim, the VISION House Orlando '11 incorporates the essentials of sustainable living through design and construction. Much of the focus was aimed at energy efficiency, water conservation, sustainable materials, and hurricane disaster resistance.*

 **JamesHardie™**

## MANUFACTURING



- We recycle water used in manufacturing up to four times during the process.
- Our Environmental Management System is ISO 14001 certified in our Illinois, Nevada, and Virginia manufacturing facilities.
- Our Zero to Landfill Project demonstrates our vision for making our products as efficiently as possible and is currently focused on reducing our landfilled waste by half.

## TRANSPORTATION



- We have high quality standards for raw materials, and at least 75% of raw materials are locally sourced.
- Eleven manufacturing facilities support the regional economy and reduce the environmental impact caused by transportation of materials.





## PRODUCT



- James Hardie® siding products are made from natural and sustainable raw materials that are also low in toxicity – Portland cement, cellulose pulp, sand, and water.
- Artisan® siding products contain 8% 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.
- Durable fiber cement materials not only require fewer resources for replacement, but help reduce maintenance and repair cost.
- Using factory-finished James Hardie siding and trim products with ColorPlus® Technology finishes reduce jobsite liquid waste and exposure to volatile organic compounds (VOCs). It also eliminates the need to store large amounts of paint on site. Our factory-finished products go through multiple quality control checkpoints, which minimizes the need for rework.



*“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*

## LEED CERTIFICATION

James Hardie products can contribute points towards a LEED project certification as well as a certification to the ICC 700 National Green Building Standard. James Hardie® siding, trim, soffit, fascia and Artisan siding and trim are listed as certified products in Home Innovation Research Labs NGBS Green Certified Product Program. The Home Innovation Labs NGBS Green certification allows accredited verifiers to award points towards the whole project certification without additional documentation for the attributes of the practices specified. Additionally, a project-specific cutsheet in support of recycled and regional content claims is available upon request. Please contact [info@jameshardie.com](mailto:info@jameshardie.com) for more information.



[http://www.homeinnovation.com/services/certification/green\\_certified\\_products/green\\_certified\\_product\\_detail?prodid=303](http://www.homeinnovation.com/services/certification/green_certified_products/green_certified_product_detail?prodid=303)

### National Green Guidelines

### Project seeking USGBC LEED® certification

### ICC 700 National Green Building Standard Voluntary Model Green Home Building Guidelines

#### James Hardie® Siding Products

MR5 (MR4 for Homes) Recycled Content;  
MR5 (MR4 for Homes) Regional Materials

601.7. Building materials/assemblies do not require additional site applied material for finishing. (ColorPlus® products only)  
602.1.6. In areas of termite infestation probability, termite-resistant materials are used.

#### Artisan® Siding Products

MR5 (MR4 for Homes) Recycled Content;  
MR5 (MR4 for Homes) Regional Materials

601.7. Building materials/assemblies do not require additional site applied material for finishing. (ColorPlus® products only)  
602.1.6. In areas of termite infestation probability, termite-resistant materials are used.



At James Hardie, we pride ourselves on providing building products that help you craft more sustainable homes and buildings. While all green programs share the goal of environmental awareness, they do not always measure success in the same way. Our commitment to sustainable manufacturing practices extends to the development of products that last longer, requires less maintenance, and contribute to energy efficiency.

To learn more, please contact James Hardie Technical Services at **1-866-4HARDIE (1-866-442-7343) or [info@jameshardie.com](mailto:info@jameshardie.com).**

