

# James Hardie Compliance with Sustainability Programs

Technical Brief

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James Hardie is committed to help build more sustainable projects by working with leading building science experts to understand the role our products play in the building envelope. The following information will help you understand how James Hardie® products contribute toward specific sustainability programs, as well as overall building performance.

While there are many sustainability programs in the building industry, they all share the goal of creating a more efficient, healthier environment to live and work in. The U.S. Green Building Council has created national guidelines (the LEED Program) from the collective experience of leading practitioners in the green building movement.

James Hardie siding® products may contribute to the following LEED New Construction points: MR5 (MR4 for Homes), Recycles Content and MR5 (MR4 for Homes) Regional Materials.

Additionally, HardieBacker® underlayment is a certified UL Greenguard Gold Low-Emitting Material and may contribute points to LEED New Construction and other programs.

Please view UL certificates at the following page: <http://productguide.ulenvironment.com/SearchResults.aspx?BrandID=1724>.



A detailed breakdown of James Hardie product contribution to various programs by sustainable attribute is shown below:

Attributes	Product & Contribution		Programs
Regionally-Sourced Content	HardieBacker® cement boards	Varies by project location	ASHRAE 189.1
	All James Hardie, Cemboard® and Artisan® siding and trim products		CALGreen (BSC, DSA-SS) EarthCraft ICC-700 IgCC LEED Living Building Challenge
Avoidance of Certain Chemicals, Red List Compliance	All backer board, siding, and trim products	Yes	CALGreen IgCC LEED Living Building Challenge
Low-Emitting Materials	HardieBacker cement boards	GREEN-GUARD GOLD	ASHRAE 189.1 CALGreen EarthCraft (Platinum) ICC-700
	All James Hardie, Cemboard and Artisan siding and trim products	N/A	IgCC LEED

A project-specific cutsheet in support of these claims is available upon request. Please contact The JH insite Team for more information.

This table provides general guidance on recycled content for various James Hardie products.

Recycled Content	James Hardie Siding products (plank, lap siding, shingle siding, soffit, and trim)	0% to 13%
	Hardie Reveal® Panel Siding	7%
	Artisan® Siding (lap siding and trim)	0% to 8%

### Reminder

Visit the JH insite Product Sustainability Rating Request Tool to receive detailed information on shipping distance for raw materials, processing and material to jobsite for James Hardie products by project zip code

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, reduced need for paint — all of these are important factors in green building.

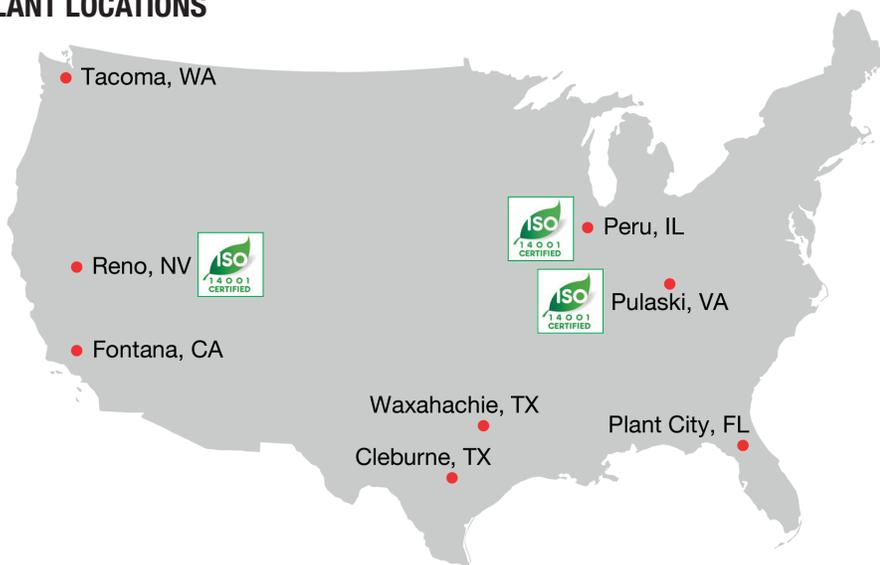
- Eight manufacturing facilities support the regional economy and reduce the environmental impact caused by transportation of materials.
- High quality standards for raw materials; 75% of raw materials are locally sourced.
- Raw materials that are extracted and processed near each manufacturing facility reduces transportation.
- Raw materials are low in toxicity — Portland cement, cellulose pulp, sand, and water.
- Durable fiber cement materials not only require fewer resources for replacement, but help reduce maintenance and repair costs over the long term.
- Unique ColorPlus® Technology manufacturing process bakes on paint in our factories delivering a quality, consistent finish, eliminating VOCs during exterior painting.
- 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.
- 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.
- + ISO 14001 Certified plants meet Environmental Management System (EMS) requirements developed by the International Organization of Standards (ISO).

*“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, FAIA*

*GreenBuilder - In 2012, 2013 & 2015, the Reader’s Choice Survey for “greenest siding product” is James Hardie siding.*

**PLANT LOCATIONS**



**Resists Damage From Wet, Humid Climates**



**Resists Damage From Cold, Climates**



**Resists Damage From Impact**



**Resists Damage from Insects**



**Resists Flame Spread**



Additional Installation Information, Warranties, and Warning are available at [JamesHardie.com](http://JamesHardie.com)

1 866 442 7343 | [www.jameshardie.com](http://www.jameshardie.com)

**IMPORTANT:** Failure to install and finish James Hardie products in accordance with applicable building codes and James Hardie written application instructions may affect system performance, violate local building codes, void the product-only warranty and lead to personal injury.

**DESIGN ADVICE:** Any information or assistance provided by James Hardie in relation to specific projects must be approved by the relevant specialists engaged for the project eg. builder, architect or engineer. James Hardie will not be responsible in connection with any such information or assistance.

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