



# GREENow

...for a better tomorrow.

The Green Building program has been around for more than 3 decades. During that time, Green Building has revolutionized the building industry.

Builders, manufacturers, architects and designers have all begun to “Think Green” in the course of formulating ideas and goals. Meanwhile, LEED (Leadership in Energy & Environmental Design) has become the globally-recognized symbol of excellence in green building.

Over time, the Green Building philosophy has ascended into the American mainstream and statistics show it's working. The amount of waste per person is down, while the U.S. recycling rate has grown by more than 230% since 1990\*.

At Quaker Windows & Doors, the Green Building movement is actually second nature to us. We're very proud to say we've been offering positive, environmental products for many years. Quaker's Green Building participation and activities have grown over the years. Here are some examples:



\* sources: epa.gov & buildinggreen.com

Quaker has been an Energy Star™ partner for more 20 years, producing windows & doors every day that not only meet but consistently exceed the stringent and ever-changing criteria set forth by the Energy Star™ organization.



**OPTICORE TECHNOLOGY** Introducing products that are infused with cutting-edge technology. This includes Quaker's patented design known as OptiCore. Windows containing Opticore technology put a supreme emphasis on energy-efficiency and ecological co-existence. The results show thermal efficiencies not thought possible for products containing such strong structural integrity.

A continual implementation and installation of new machinery throughout our manufacturing plants that lessens waste of raw materials, such as glass, aluminum, vinyl, wood and paint.



Aluminum and glass scrap is regularly sold to recyclers for re-use.

Quaker's in-house paint facilities use a powder-coat finish, thus implementing several “Green” and health advantages over conventional liquid coatings: Powder coatings emit zero or near zero volatile organic compounds. Production lines produce less hazardous waste than conventional liquid coatings. Over-sprayed powder can be recycled and re-used, making it possible to achieve nearly 100% use of coating.

New and improved glass packages are offered with all of Quaker's windows and doors. These glazing set-ups are versatile, efficient and increase indoor health as sunlight and solar heat can be deflected or captured depending on what's necessary.

**MISSOURI S&T** We are pleased to have partnered 5 times with Missouri Univ. of Science & Technology, providing windows to their bi-yearly “Solar House” project. This event is part of the U.S. DOE's Solar Decathlon, a nationwide competition between colleges and universities to design, build and operate the most attractive, effective and energy-efficient solar-powered house.



We provide products yearly to our local Habitat for Humanity branches. For the Jefferson City (MO) H.F.H. bureau alone, we've donated windows for more than 75 homes.

## The Laurel - St. Louis, MO



## Missouri S & T “Solar House” - Rolla, MO



## Crosstown Concourse - Memphis, TN



courtesy McGinn Photography



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Quaker windows and doors contain many components that are considered "green", including glass, aluminum, and in some cases wood. As you can see below, the manufacturers of these components, our suppliers and partners in the GreenBuild movement, are doing their share to help.

## CARDINAL IG

*"Cardinal's float glass plants recycle glass scrap in two ways:*

*1. The glass manufacturing plant re-melts all internal waste, which makes up 10-12% of the finished product. It should be classified as reuse and doesn't qualify for recycle credits.*

*2. Our glass fabrication factories (tempering, coating & insulating) as well as outside customers return clean scrap to the float plant for recycle and reuse. The concentration varies from 12-17% of the finished product, and can be considered as pre-consumer recycle content. We do not use scrap from sources outside of our supply chain, so there is no post-consumer recycle content in our glass manufacturing."*

Jim Larsen  
Cardinal Glass Industries  
Eden Prairie, MN

## TOWER EXTRUSIONS, LTD.

*"At this time, (our) re-melt facilities use primary aluminum and scrap aluminum. The quantities and types of scrap consumed are typically the following proportions: 50% post-industrial scrap, 20% post-consumer scrap, 30% primary aluminum. It is also important to note that there are occasions when (our) billet may be produced from 100% post-industrial scrap and/or a combination of post-industrial scrap and post-consumer scrap."*

Stan Guess  
Tower Extrusions Ltd.  
Olney, TX



*"Of our yearly total billet purchases, approximately 33% is recycled. I feel this figure is still a fair representation (as) purchasing trends have not changed since that time. Of course 100% of what we extrude is recyclable."*

John Hardcastle  
Claridge Extrusions  
Harrison, AR



*"Because [we] recognize the need to practice good forestry management, we have followed the practices directed by the Forestry Stewardship Council (FSC) for several years. The FSC is an international, not-for-profit membership-based organization that brings people together to find solutions to the problems created by bad forestry practices and to reward good forest management. Today, we operate facilities in the U.S. that are FSC certified."*

Dan Allen  
Woodgrain Millwork  
Fruitland, ID

Quaker windows and doors can assist in securing LEED Credit points.#  
Find out more by contacting us today.

#-Quaker Window Products, Inc. does not make any guarantee of LEED-accreditation or Level Certification with the use of Quaker products.

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**Commercial@quakerwindows.com**

Made in America: All Quaker products are designed and manufactured in the United States at our state-of-the-art facilities in Freeburg, MO and Eldon, MO.