

a greener choice



our green vision

At Atrium, our company philosophy is simple: to provide our customers with energy-efficient, maintenance-free products that help to lower their energy bills.

But we don't stop there. Many of our windows have extended life cycles, which helps to keep them hard at work saving energy in America's homes. From our environmentally sensitive manufacturing processes to our recycled content, our goal is to produce high-performance windows that meet or exceed current energy-efficiency standards.

The result? You get exactly what you need in a window—and so does the environment.



Save energy, save money That's green living

With Atrium high-performance window technology, you can have a proven solution to resist the sun's heat in summer—and welcome it in winter. How do we do it?

- Our warm-edge, insulated glass sealant systems flex with the glass in hot or cold temperatures to help prevent sealant failure. These insulated spacer systems keep the edges of the glass warmer, dramatically reducing condensation while keeping warm air in and cold air out. The bottom line: These systems insulate the window frame and edge of glass up to 50 percent better than roll-formed metal spacers and up to 90 percent better than aluminum spacer bars.

- Our low-E glass boasts up to three layers of an extremely thin silver coating that acts like a filter: In summer, the low-E glass allows ample visible light to pass through while blocking infrared and ultraviolet radiant solar energy, keeping rooms cooler. In winter, the glass keeps rooms warmer by reflecting heat back into the home while letting warm, solar rays in.
- Insulating gases, such as argon and krypton, are available as invisible blankets of insulation between the panes for added thermal performance.

Green from start to finish

Our vinyl manufacturing processes blend environmental sensitivity with high-quality finished products. The majority of our vinyl is compounded and extruded in-house, which allows us to reduce our waste and control our recycling efforts. We recycle our vinyl scrap to maximize yield and minimize the impact on local landfills.

Our lead-free PVC vinyl is not petroleum-based, so its production requires no burning and generates no harmful gases. When it comes to environmentally sensitive manufacturing, our vinyl-production methods are among the most progressive in the industry.

As for the glass window components, reclaimed glass from external and internal sources makes up 24 to 28 percent of the raw materials used to produce our glass. This saves fuel used during processing and is more environmentally sound.

After the manufacturing process is complete, we use truck-routing software to aid our backhauling efforts during the distribution phase. By optimizing our inbound and outbound deliveries so as many trucks as possible are carrying goods on their return trips, we minimize our transportation costs while helping to keep fewer trucks on the road.

Green products

Energy-efficient Atrium windows are engineered to accommodate almost any budget and provide the highest levels of year-round comfort and energy savings, making them well suited for virtually any climate zone. To find the right products for your energy-efficiency goals and regional requirements, contact your Atrium representative.





Realize your goals with Atrium

No matter what challenge you're facing, Atrium can help you:

- *Select the optimal product for your climate zone*
- *Achieve the results you seek while pursuing credits toward LEED certification or the NAHB Residential Green Building Standard*
- *Achieve ENERGY STAR® compliance*

A few words about vinyl

Today's PVC vinyl products bring many environmentally sensitive features to the table:

- *During the past 20 years, PVC products have been found to perform favorably in terms of energy efficiency, thermal-insulating value, and low contribution to greenhouse gases and product durability*
- *PVC saves energy and reduces CO₂ emissions, takes less energy to produce than many competing products, and utilizes 20 percent less energy to produce than other plastics*
- *PVC is recyclable; more than 1 billion pounds are recycled annually*
- *PVC's impact on the environment is comparable to or lower than most alternatives*

© ENERGY STAR is a registered trademark of the U.S. Department of Energy.



Atrium Vinyl Windows & Doors may be ordered to meet or exceed Energy Star standards in all regions of the country.



300 Welcome Center Blvd.
Welcome, NC 27374-1869