

At the Earthwise Window Group we understand the value of family not only in a business sense, but as neighbors who live, work and contribute to your community. We understand the importance and challenges of keeping a home comfortable and healthy year round,



the benefits of conserving energy, the significance of reducing waste through efficient manufacturing processes and the concern for using safe, effective materials.

The real answer to climate change, depleting energy resources and the planet's long term health depends not on how much you spend, but on how you spend and what you save.



www.lindsaywindows.com
www.earthwisewindows.com

When it's your home ...
It makes a difference!



How Earthwise Windows Stay Green

- Research
- Design
- Innovation
- Materials
- Vendors
- Manufacturing
- Recycling
- Distribution
- Education



Going Green With Earthwise Windows and Doors



Working with consumers, architects, builders and government to make a better world today and tomorrow

Making a Green Window that Works



Energy Efficiency

One of the most obvious criteria for judging a window green includes its ability to limit heat transfer. This means less energy consumed to maintain a stable interior environment. Technology exists today that allows for windows and doors to stop virtually all heat transfer. Look no farther than manned spacecraft that venture outside the earth's atmosphere. Windows in these vehicles perform in temperatures and pressures that



exceed by hundreds of times anything encountered in our daily lives. Earthwise Windows, featuring SpacerWise insulated glass design and Earthwise E Glass, actually use much of this technology to provide superior protection against heat transfer for structures confronting the changing conditions on our planet's surface.



Ventilation

In most climates it is desirable to have windows that allow for ventilation when appropriate. This provides two very desirable benefits. First, by allowing the interior temperature and humidity to balance with that in the exterior, a zero footprint for carbon emissions in relation to heating and cooling is achieved. Second, by providing an exchange of inside and outside air, buildup of molds, mildews and other microorganisms that can make for an unhealthy interior habitat is limited. Earthwise Windows and Doors utilize the highest quality components and latest design features to permit easy and positive operation of ventilating products. From

advanced balance technology to multipoint locking systems to engineered casement operators, Earthwise Windows effortlessly transition between ventilation and energy efficiency and continue to do so throughout their useful life.



Moisture Control

Because a window or door creates a barrier between the interior and exterior of a structure, it becomes a factor in moisture control. A green fenestration product should strive to control moisture movement at and through the opening. Moisture creates two issues for the interior of a building. If moisture levels are too high or low, the prevailing room atmosphere is uncomfortable. To compensate for this heating or air conditioning is increased to make up for the wrong relative humidity. Earthwise Windows actually contain moisture barriers in the weather stripping that aid in controlling moisture movement through the window. Additional moisture problems crop up when windows permit large amounts of condensation, which can lead to molds and mildew. Although no window can guarantee to always be free of condensation, the Earthwise SpacerWise system minimizes that possibility through its incorporation of warm edge technology.



Light

Another primary function of a window is to permit light to enter a structure. This allows for the reduction or elimination of artificial light and consequently less energy consumption. Visible light is also helpful providing a healthy and emotionally positive interior environment. A green window should allow beneficial wavelengths of light to pass through while blocking those that are harmful. Earthwise Windows and Doors are available with Earthwise E Glass, a spectrally selective pane that permits visible light to pass through while reflecting back long wave infrared radiation. In



addition, Earthwise Windows are designed so as to minimize frame site lines and maximize glass area to further increase the visible light passing through.



Product Longevity

An evaluation of how green a window is must include a measure of its useful life cycle. If a product does not outlast the structure that holds it, its real costs in energy, materials and pollutants is multiplied by the number of times the product is replaced. Earthwise Windows and Doors are designed and engineered to be among the most durable fenestration products on the market today. Sunshield® materials used in Earthwise products are engineered for structural stability and formulated to withstand the rigors of exposure to all climatic extremes. All Earthwise Windows and Doors carry a lifetime limited warranty on the major structural components of the product. Additionally many Earthwise Windows and Doors have other warranties that extend coverage to include virtually all parts.



Affordability

The best intentions of any green product will do nothing to ease the effect on our environment if it is not utilized. In fact the benefits are directly proportional to the extent the product is put into service. Earthwise Windows are designed to provide maximum performance and yet remain affordable to those who can employ the product into homes, offices and other structures where these products can have their greatest effect. By constantly using recycling, fuel efficient equipment, reducing transportation costs and capitalizing on technological advances and purchasing power, the Earthwise Window Group can continue to provide the best value and affordability in windows and doors.

