

Building 'green' is a rapidly growing trend in construction where the design, construction and use of the building focus on minimizing the negative impact of buildings on the environment.

A green home uses proven, cost effective technology and design features that are not typical in traditional construction. The end result is a better home that is more energy efficient, and provides a more comfortable, healthy environment for building occupants.

In summary, building a green home means:

1. Minimizing the negative impact of the home on the environment.
2. Creating a comfortable and healthy home for the occupants.
3. Reducing long term costs by creating an energy efficient home.

BUILDING GREEN WITH LOGIX

One of the technologies that have become synonymous with building green is LOGIX Insulated Concrete Forms. Owners, builders and designers use LOGIX as a main design feature for building green because of its inherent properties that address the three main goals noted above.

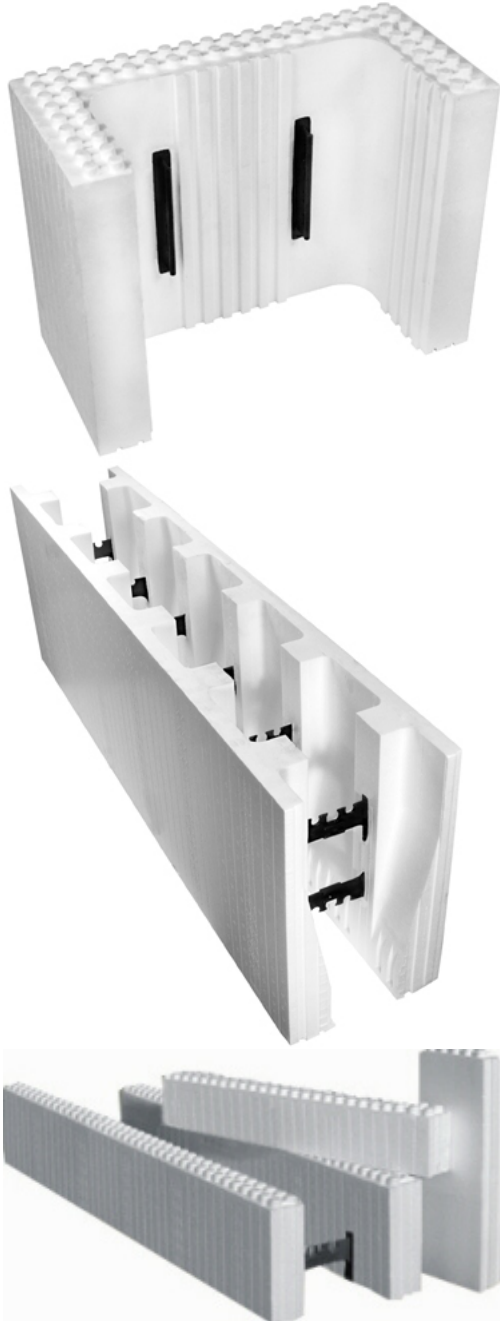
LOGIX Protects the Environment

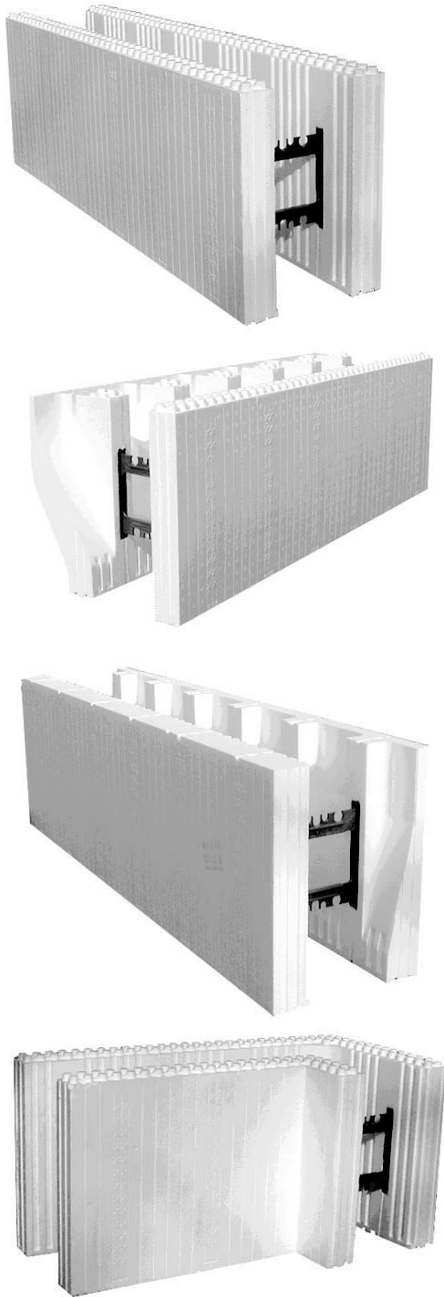
In our effort to promote sustainable practice, LOGIX

- uses recycled material in the manufacturing of LOGIX;
- contains no ozone depleting ingredients such as chlorofluorocarbons (CFCs), hydrochloro-flouorocarbons (HCFCs) or formaldehyde;
- creates far less construction waste than wood construction;
- uses far less wood than traditional formwork and wood framed construction;
- and produces less toxins than wood framed walls¹.

LOGIX is also a major contributor for homes recognized as being environmentally friendly.

- Contributes to many homes granted the Energy Star label²
- Contributes to the United States Green Building Council's (USGBC) LEED Rating System. LOGIX can contribute up to 27³ points (28³ points in Canada) of the 40 points required for LEED-NC⁴ certification.





LOGIX Reduces Costs

LOGIX homes might cost 3% to 5% more to build but that cost is offset by the long term cost savings. That cost savings comes from the reduction in energy consumption in a LOGIX home. Energy costs in a LOGIX home is 40% to 50% less than a typical wood frame structure of equal size.

- With one of the thickest foams in the market, from 2.75" to 8", LOGIX walls have a minimum total R-value of R-24⁵, which is greater than wood framed walls⁵.
- The air-tightness and effective thermal property of concrete improves the energy efficiency of LOGIX walls.
- The density and thickness of the foam panels, in combination with a reinforced concrete core wall, makes LOGIX walls more durable and stronger. Therefore, a LOGIX home has a longer life span than traditionally built homes.

LOGIX Creates a Healthier Home

LOGIX walls are air tight virtually eliminating air and moisture leakage through the walls. The absence of leakage through the walls makes it easier to control the indoor air quality. In addition, LOGIX walls do not promote the growth of mold.

With increasing energy costs, growing social concerns of global warming and protecting the environment, building a home with LOGIX is an energy efficient, 'green' choice. For more information please contact info@logixicf.com.

1. University of Pittsburgh Toxicity test, conducted by South West Research Institute
2. See [Technical Bulletin No. 12, Energy Star for New Homes](#)
3. The total LEED point contribution from LOGIX is a best estimate based on available information and test data. The actual LEED point contribution may change based on project specifics, and should be determined by a LEED Accredited Professional for each project seeking LEED accreditation.
4. See [Technical Bulletin No.9, LEED Rating System with LOGIX Insulated Concrete Forms](#), [Technical Bulletin 28, LOGIX Potential LEED Contribution \(US\)](#), [Technical Bulletin 19, LOGIX Potential LEED Contribution for Schools](#), and [Technical Bulletin 25, LOGIX Potential LEED Contribution \(Canada\)](#)
5. See [Technical Bulletin No.13, R-Value Comparison - LOGIX ICF vs Stud Walls](#). R-24 is the R-value of LOGIX without cladding. For R-values with cladding see [Technical Bulletin 30, Total R-value of LOGIX Walls](#).