

How **GREEN** is Greenblock?

Sustainable or 'green building' design and construction is a broad-based term that refers to the practice of utilizing our resources more efficiently while creating healthier and more energy-efficient homes. Our ultimate goal is to reduce the impact on the environment through conservation of resources, while balancing the use of energy-efficient, cost-effective and low-maintenance products for construction needs.

Greenblock Insulated Concrete Forms can play a major role in any green building project by creating a high performance building envelope that significantly reduces energy consumption while providing occupants a safe and healthy indoor environment.

- Greenblock ICFs are made from expandable polystyrene (EPS), a by-product of the petroleum industry. The ICF manufacturing process is highly regulated with at least 95% of emissions collected and destroyed during the manufacturing process. EPS is expanded to nearly 50 times its original volume – a very efficient and economical use of basic raw material.
- Greenblock ICFs do not contain CFC, HCFC or any other ozone depleting chemicals. The finished product is stable, inert, does not off-gas and will not break down over time.
- Greenblock ICFs contain a percentage of post industrial regrind and the plastic webbing connecting the EPS panels are made with 100% reprocessed polypropylene.
- Greenblock homes require significantly less energy to heat and cool which conserves natural resources. Less energy consumption means less carbon dioxide being released to the atmosphere. The insulating foam panels along with the thermal mass of the solid concrete walls helps to eliminate temperature fluctuations in the home. Therefore, the HVAC system can be reduced which adds another cost savings.
- An average 2500 ft² home built with Greenblock saves at least 40 trees which would have been cut to build a comparable stick frame house.
- Greenblock homes and buildings provide their occupants with cleaner, healthier indoor air quality. The solid concrete walls have no leaks, cracks or crevices so airborne allergens are greatly reduced. The inorganic nature of Greenblock does not support mold or mildew growth.
- Greenblock homes can provide a sound barrier to the outside world by achieving a Sound Transmission Class rating of 50 or more – a superb building system for new homes designed with media rooms.
- Greenblock ICFs are a major contributor to the Green certification of newly constructed homes. The R-value of the Greenblock forms alone are R-17 (4-inch core) and R-22 (6-inch core) – easily above the minimum standard for the current energy code. Additionally, air infiltration is greatly reduced which allows for the reduction of the HVAC system and the forms are manufactured in several strategic locations throughout the country – generally within 500 miles of most job sites. These factors, combined with energy efficient windows, doors and roofing system will provide for maximum credits toward Green certification.
- Greenblock ICFs provide a safe, energy efficient, healthy and sustainable structure that will help insure we have the necessary resources available for future generations.

Recent IFC Homes



Orlando, FL



Port St. Lucie, FL



Jensen Beach, FL



Pensacola, FL

Earn Green Certification credits
when you build with

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Insulated Concrete Forms
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