

About the Teixeira EnviroHome

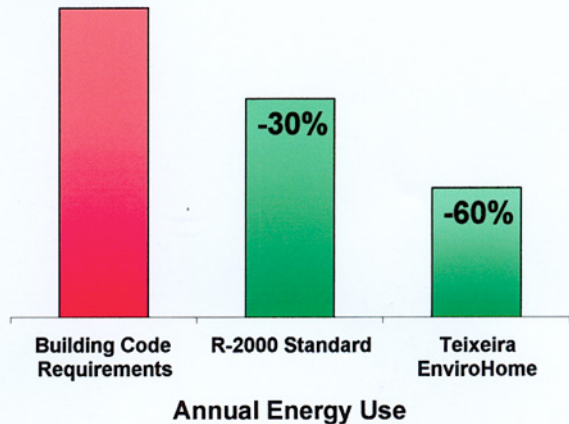
The Teixeira EnviroHome incorporates many innovative building materials and systems. The result is a 1,920 square foot home that offers an extraordinary level of comfort, a healthier living environment and truly exceptional energy efficiency.

All exterior walls, including the foundation, were built using the IntegraSpec[®] ICF system which combines high-performance insulation with concrete and steel. High-performance North Star[®] windows and environmentally friendly cellulose attic insulation complete the home's thermal envelope.

The main-level floor is constructed of reinforced concrete supported by Hambro[®] steel joists. Both the main and basement floors feature Wirsbo[®] radiant heating with hot water supplied by a Kerr[®] oil-fired boiler. A solar hot water heater provides supplemental domestic hot water, and a photovoltaic panel and battery storage system provides electricity for some of the interior lighting.

The combination of ICF wall construction and radiant in-floor heating provides gentle, even heat on both the main and basement levels. Excellent indoor air quality is ensured by a vanEE[®] energy recovery ventilation system and use of non-toxic cabinetry, finishings, paints and adhesives.

In terms of energy performance, computer simulations show that this home is significantly more energy efficient than required by the R-2000 Standard.



When compared to a conventional new home constructed to current building code requirements, overall energy use—and costs—should be 60% less in the Teixeira EnviroHome.

The home is also designed for increased accessibility. Main living areas are on a single level, and the master ensuite bathroom features an over-sized shower enclosure.



A Home
with a
Difference

