

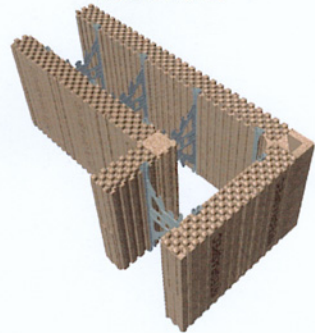
About the IntegraSpec® Wall System

The exterior walls of the Teixeira EnviroHome were built using the IntegraSpec® Insulating Concrete Form (ICF) system.

This high-performance monolithic wall system combines the strength of concrete and steel with the energy efficiency of rigid polystyrene insulation.

The result is a continuous wall, running from the foundation footing to the eaves, that is highly insulating, strong and draft-free. In addition, ICF walls do not suffer from many of the problems common to wood-frame construction such as warping, settling and nail-pops.

**IntegraSpec 90°
Corner Unit**



IntegraSpec®

The IntegraSpec® construction process is straightforward. The ICF units are composed of flame-retardant expanded polystyrene (EPS) panels held apart by rigid spacers that are slotted to accommodate reinforcing steel. Each panel is 31 cm (12.25 in) high and up to 121 cm (48 in) in length.



The interlocking units are stacked, fitted with reinforcing rod and braced. Frame inserts are placed to create door and window openings. The forms are then filled with concrete. Wall heights up to 10 feet can be poured in one step. Multi-storey walls are cast in sections. Once set, interior and exterior finishing is applied directly to the completed wall assembly—no strapping or other treatment is required.

In addition to the high strength and energy performance of IntegraSpec® walls, the system also results in exceptional noise control, reducing transmission of outside noise by approximately 75%.



A Home
with a
Difference

