

THERMOBUILT PERFORMANCE CHARACTERISTICS



ThermoBuilt™

ThermoBuilt: HEALTHY HOMES

ThermoBuilt DIY Kit Homes provide a healthy indoor environment. Nothing held within or ordinarily emitted by the insulation used is toxic. The measurement of the air content of actual EPS insulated homes shows an almost complete absence of any emissions. Due to the lack of air infiltration through the wall, your ThermoBuilt DIY Kit Home will essentially be dust and pollen free. A lifesaver for persons with allergies. Please note however, that since the resulting home is so "air tight", proper ventilation, including and in the form of an air-to-air heat exchanger, might be recommended in severely cold climates, where the home remains closed up for long periods of time, to ensure an ample supply of fresh air and exhaustion of normal household off gases during the winter.

As well, building with EPS is healthier for the environment too: the insulation is so effective that it lowers energy requirements for heating and cooling significantly.

ThermoBuilt: CONSISTENT INDOOR TEMPERATURES

ThermoBuilt DIY Kit Homes are so insulated they resist the entrance of unwanted outdoor heat in the summer, and in the winter, undesirable loss of home heat because of the thermal mass. The inside temperature of the structure remains very constant since there is little to no air *infiltration* or *exfiltration*.

The "draftiness" often encountered in many homes is reduced significantly, if not eliminated. Temperature differentials from floor to ceiling are just a few degrees Fahrenheit in ThermoBuilt homes, compared to 5-10 degrees Fahrenheit in traditionally framed homes.

ThermoBuilt: CONSTRUCTION SPEED AND SAVINGS

All materials used in ThermoBuilt DIY Kit Homes are extremely lightweight and uniform---requiring less effort to lift, move, place, or cut. With experience, this system is so fast and efficient that builders erect entire structures in reduced time, saving greatly on labor costs. (This saves you money too.)

Since the wall system is virtually impermeable to moisture and air infiltration, no additional house-wrap or moisture barrier is required---saving yet another step in the construction process. Although it may look new and different, anyone with a minimum to basic construction experience can quickly get up to speed assembling a ThermoBuilt DIY Kit Home. An ideal crew would be a handyman/handywoman-type home owner and a good carpenter to assist him/her. The constructed shell also presents no problem for the sub-contractors who come after the walls are up. The presence of solid 2x6 studs on 24 inch centers makes it easy for all the trades to do their jobs effectively. (ex.: attaching siding, brick ties, drywall, electrical outlets, etc.)