

IntegraSpec® ICF Wallsystem

A custom home near Perth, Ontario, constructed with two stories of IntegraSpec® ICF wallsystem, recently received the EnerQuality R-2000 Environmental Excellence Award. The home tested 59% more energy efficient during the heating season than houses constructed to current building code standards.



The air conditioning and dehumidification cost savings are estimated to achieve even higher efficiency, giving a total energy savings unattainable by conventional construction. Other energy features in this IntegraSpec® home are 4" reinforced concrete main and lower floors with radiant hot water heating on both levels.

This R-2000 award winning house tested an amazing .55 air leakage rate at -50 Pascal. Since reduced air leakage and thermal mass are such major components in energy efficiency, IntegraSpec® may be setting new standards in the industry. "Our dovetailed grooves and ribs on the inside of IntegraSpec® ensures continual contact between the EPS panels and the concrete which assists such high energy performance", states Mr. Philippe, designer for this exciting ICF.

IntegraSpec® also offers something else to the construction industry and homeowner, a healthy choice. IntegraSpec® eliminates mould, mildew, and volatile organic compounds (VOC's), commonly found in traditionally poured concrete and pressure treated wood. This benefit clinched the coveted Healthy Home Award for this special home.

Philippe's background, interestingly enough, is traditional concrete forming. After experimenting with other ICF's in the early 1990's, he decided to create IntegraSpec® which included something that was lacking... a user friendly system. To date, every installer who uses IntegraSpec® reports speed and accuracy in set-up time, superior concrete placement, hassle free alignment, and satisfaction.

"Take a very close look at IntegraSpec®," encourages Michel Philippe. "IntegraSpec® is an ICF installer's dream, the webs lock together eliminating form lift and compression during the placement of concrete, which also reduces bracing and taping". The patented interlocking design is also reversible thus eliminating waste. Varied wall heights are very easily accomplished as cutting the forms is effortless.

Combine an ICF that is user friendly for your installer with award winning energy efficiency and healthy for the homeowner and the world has just been introduced to the next generation ICF.

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