

WHY WOOD YOU?

Why would you build with wood when the benefits of building with ICFs are endless.

Concrete Story Behind Rising Lumber Prices

Tariffs, environmental constraints, the pandemic and a resurging construction market have left home builders holding the bag. Or should we say handing the bag over, the bag of cash that is. One thing that has not increased in with framing lumber and that is the quality, the value, or the long-term resiliency. Why pay more when proven options, such as Nudura Insulated Concrete (ICFs), create greater value at a lower cost. Concrete for less than wood framing?

Historically chosen due to the greater durability not the cost, the enhanced comfort and superior energy efficiency, builders are now choosing Nudura for the cost competitiveness, the availability, and the speed. Sounds like a big win for the homeowner!

"Even when lumber price was lower we and every one who chose to build with ICF knew that we were a better option. Now choosing the better construction is also choosing the less expensive one, I believe this is an obvious choice now more than ever!"

- Rene Fourestie

An Innovative & Proven Alternative

- Nudura ICFs consist of two panels of Expanded Polystyrene (EPS) that are 2 5/8" in thickness and connected together with our patented web system that is made of 100% recycled material
- Nudura ICFs are stacked, then steel reinforced and filled with concrete, completing the building envelope in one building step
- Nudura ICFs are available in a variety of shapes and sizes to accommodate all types of building requirements and designs



LUMBER PRICES INCREASE OVER 100%!

Lumber prices have skyrocketed since mid-April, rising 130% and increasing the cost of a single-family home by more than \$16,000.



Fig 1. Framing Lumber Prices. National Association of Home Builders. Retrieved September,2020, from <https://www.nahb.org/news-and-economics/housing-economics/National-Statistics/Framing-Lumber-Prices>.



Greater Impact Resistance



Nudura provides greater impact resistance and can be engineered to withstand winds up to 250 mph (402 kph) ensuring that the occupants of the home are safe and secure. Nudura's concrete embedded multi-purpose roof/truss anchor system, provides greater resistance to wind uplift forces than most other conventional systems. Nudura walls are built with steel reinforced concrete and expanded polystyrene foam, providing a fire protection rating of up to 4 hours*.

*As per Nudura's UL/ULC listings

Comparing Nudura vs Wood Framing

Comfort and Quiet	Nudura	Wood Frames
Calculated R-Value	R-23.59 (RSI 4.16, U-Value 0.24)	R-11 to R-19 (RSI 1.94 - 3.35, U-Value 0.52 - 0.30)
Tested R-Value of Wall*	R-24.1 (RSI 4.25, U-Value 0.24)	R-15.2 (RSI 2.68 and U-Value 0.37)
Reduced Heating & Cooling Cost	Yes	No
Thermal Mass	up to 75 lbs/sq.ft. (3.59kPa)	2 lbs/sq.ft. (0.10 kPa)
Typical Air Leakage	1.11 ACH	3.36 ACH
Sound Dampening	Effective	Minimum

*ASTM C-1363 testing per ICFMA/UL(CLEB) Laboratories

Strength and Durability	Nudura	Wood Frames
Bearing Capacity Top of Wall	41800plf (60192kg/m)*	5404plf (8041kg/m)**
Wind Capacity	250mph (402kph)	90mph (145kph)
Fire Rating	4+ hours*	45 mins
Flying Debris Protection	Assured	Minimal
Defends Against Termite & Pest Intrusion	Yes	No
Interior Finish Nail Pop	No	Yes
Wood Split & Warp	No	Yes
Risk for Mould Growth & Rot	None	High Risk

*As per Nudura's UL/ULC listings

**As per American Wood Council DES230

Visit us to learn more about the greater value of ICF's today:
nudura.com

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Tremco CPG brings together Tremco Incorporated's Commercial Sealants & Waterproofing and Roofing & Building Maintenance operating divisions; Dryvit Systems, Inc.; Nudura Inc.; Willseal; Weatherproofing Technologies, Inc. and Weatherproofing Technologies Canada, Inc.

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Use of the ® symbol indicates registration with the US Patent & Trademark Office and the Canadian Intellectual Property Office.

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