

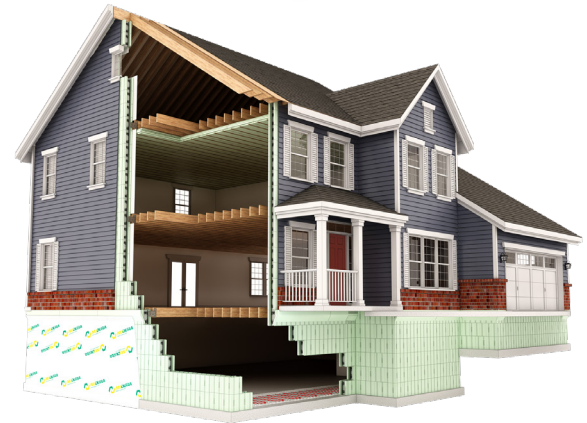
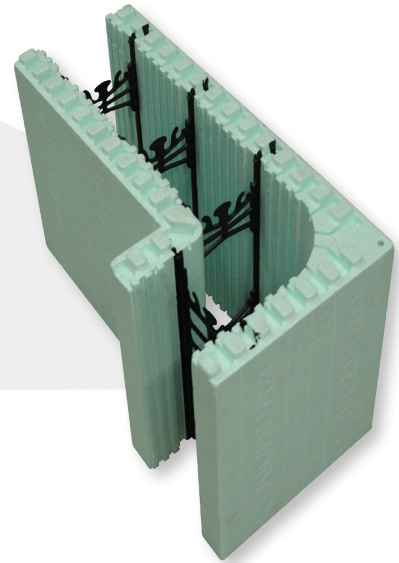
# NUDURA VS WOOD

A Nudura structure provides Performance Values saving building owners up to 60% in annual energy costs.

## An Innovative & Proven Alternative

Nudura ICFs consist of two panels of Expanded Polystyrene (EPS) foam that are 2 5/8in (67mm) in thickness and connected together with our patented web system that is made of 100% recycled material. Nudura forms are stacked, steel reinforced and filled with concrete, which completes the building envelope of your commercial or residential structure in one building step. Nudura forms are available in a variety of shapes and sizes to accommodate all types of building requirements and designs.

Nudura walls are built with steel reinforced concrete providing greater impact resistance (withstanding winds of up to 250mph (402kph)). Nudura ICFs are available in 90°, 45°, Radius, T-forms, Brick ledges, Taper tops, Straight forms and more.



## Features & Benefits

- Superior Strength and Safety
- Greater Cost Savings
- Eliminates Thermal Transfer
- Industry's largest standard form on the market (8ft [2438mm])
- Eco-Friendly
- Build Faster and More Efficiently
- Increased Annual Energy Savings\*
- Delivers Long Term Value

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



# 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

## 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

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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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Nudura® is a registered trademark of Nudura Inc.  
Use of the ® symbol indicates registration with the US Patent & Trademark Office and the Canadian Intellectual Property Office.

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