

NUDURA Insulated Concrete Forms (ICFs) VS. Traditional Wood-Frames



NUDURA Built Home - Florida, 2004

COMFORT & QUIET

R-Value
Effective R-Value of Wall
Annual Heating & Cooling Cost Example
Thermal Mass
Typical Air Leakage
Drafts
Even Room Temps Throughout House
Noise Reduction
Reduces Indoor Pollen

NUDURA
up to R-23.59
up to R-50
\$480/yr
up to 65 lbs/sq.ft.
0.1 ACH
No
Yes
Yes, up to STC55
Yes

Wood-Frames
R-11 to R-19
R-9 to R-16
\$2400/yr
2 lbs/sq.ft.
0.4 ACH
Yes
No
STC37
No

STRENGTH & DURABILITY

Bearing Capacity Top of Wall
Wind Capacity
Fire Rating
Flying Debris Protection
Protects Against Termites & Pest
Less Maintenance
Interior Finish Nail Pop
Wood Split & Warp
Promotes Mold Growth & Rot

NUDURA
up to 30,000 PLF
up to 200+ mph
4+ hours
Yes
Yes
Yes
No
No
No

Wood-Frames
4,000 PLF
80 mph
Not Rated
No
No
No
Yes
Yes
Yes

ADDITIONAL BENEFITS

Environmental Advantages
Insurance Advantages
Qualifies for Higher Loan
Appraisal Advantages

NUDURA
Saves Trees*
10 to 30% Less
Yes
Yes

Wood-Frames
None
None
No
No

* Less construction waste with the NUDURA 4-Way Reversible system. Products made of recycled materials.