

The Difference is Obvious

Stick Framed Home With Fiberglass Insulation

Super Insulated Home Built with ICF Systems Block



INFRARED THERMAL IMAGING PHOTOGRAPPHY COMPARING THE HEAT LOSS ON BOTH STRUCTURE TYPES

The Performance Difference

Wood To Concrete Home Comparison	2 x 6 Wood Frame	ICF Systems 7" Block	Performance Comparison
Structure Life Expectancy	60 Years w/ Major Up keep Cost	200 Plus Years	2 - 3 Times longer
R - Value of Wall Assembly	R-17	R-22	30 % Higher
ASHRAE-Infrared Thermo Graphic Test	R-13 to R-15	R-32 to R-50	2 + Times Better
Air Infiltration	Very High	Near-Zero	Virtually Air Tight
Air Exchange through Structure	0.35 Air Change/Hour	0.09 Air Change/Hour	4 Times Better
Mass of an 8 ft Wall	32 lbs/ft	440 lbs/ft	4 Times Greater
Heat Reservoir	9.2 BTU/hour/degree F	93.0 BTU/hour/degree F	10 Times Greater
Heating & Cooling Costs of A 1500 Square Foot Home	\$250 to 300 per month Plus Energy Recovery Cost Surcharge	\$30 to \$50 per month Plus Energy Recovery Cost	30% To 70% Savings
Burn Rate	20 to 30 Minutes	4 Hours	8 Times Slower
Sum of Toxicity Factors in a Fire (per ASTM 84)	50+	Less than 10 (Self Extinguishing)	5 Times Safer
Smoke Generated	High	Smoke Index of 15	Superior
Sound Insulating Qualities	STC 32	STC 70	Virtually Soundproof
Environmentally Positive	Poor	Excellent	Superior
Tornado/Hurricane Protection	Poor	Excellent	Highly Superior

