# SIPLOCK *Forever* ™

## *Monolithic Steel & SIP Construction*

## *Net-Zero, Green, Energy Star and LEED Design Homes*

### Hurricane, Tornado & Earthquake Resistant

**SIPLOCK Steel I-Beam framed roof assembly exceeds CAT 5 & F2 tornado winds.**
**SIPLOCK steel I-Beam wall & roof assembly is connected to concrete piers.**
**SIPLOCK Steel I-Beam floor joists.**
**SIPLOCK EPS panels are clad with 26-gauge *Galvalume*® steel and acrylic finish.**

- ***Unmatched structural integrity and performance.***
- ***Considerably, higher resale value vs. CBS, concrete or wood frame construction***

### Fire Resistant

- ***Highly fire resistant, Ref. ISO 13784 for EPS/SIP fire tests.***

### Flood, Termite, Vermin & Mold Resistant

- ***SIPLOCK EPS panels shed water, resistant to mold growth, swelling and decay.***

### Low Annual Insurance Costs

- ***Thousands of dollars less when compared to frame or concrete block.***

## *SIPLOCK is "Simply Better"*

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## Energy Efficient & Airtight

**SIPLOCK super insulated 9" R38 Walls. 11" R46 Roofs.**
**SIPLOCK super insulated panels are airtight.**
**Oak ridge National Labs recently stated that 40% of heat loss is due to air leakage.**

- ***SIPLOCK eliminates air-leakage. Eliminate high temperature, humidity, condensation, rot, mold and spore growth from leaky attics and crawl spaces.***

## Reduce Energy Costs by up to 75%

**SIPLOCK high-energy efficient design. All interior space is conditioned.**
**Multi-Zone Ductless HVAC Heat Pump.**
**Each floor or zone has its own programmable thermostat.**
**Cooling and heating costs can be as much as 75% lower than conventional systems.**

- ***In Florida, for example a Siplock Energy Star rated 2700 sq. ft. home could consume about .42 Kw per hour for HVAC you could expect about a $25 monthly cost for HVAC.*** ***2011 Florida Electric average rate is 12 cents per KWh.***
- ***A similar home in NY would be about $65 monthly for heating and cooling.***

***The cost of electricity by state. (2011)***
***http://www.npr.org/blogs/money/2011/10/27/141766341/the-price-of-electricity-in-your-state***

## No Inefficient, Leaky and Contaminated HVAC Ducts

**SIPLOCK design homes do not require HVAC air ducts.**

- ***Ductless energy efficient HVAC heat pumps from Mitsubishi, Samsung, etc.***

## Healthy Odor Free Air

**According to the EPA, indoor air quality is typically 5 times worse than outdoor air.**
**Ducts are a breeding ground for mold, mildew and insects.**
**Ducts circulate fumes, from organic chemicals, released from carpets and furniture.**
**Ducts circulate fumes from household cleaners, paints, cooking and smoking.**
**Ducts circulate pet dander and dust.**

- ***Eliminate odors, fumes, filter airborne pollutants and contaminants.***
- ***SIPLOCK homes improve the efficiency of HVAC and ventilation systems.***

## Solid, Quiet and Comfortable

**SIPLOCK super insulated wall panels are 9" Thick. Roof panels are 11" thick.**

- ***Outside noise is virtually eliminated.***

**No Ducts to transmit noise from conversations and entertainment systems.**
**Ceilings and floors are separate and independent of each other.**

- ***Significantly lower noise from occupants and home entertainment systems.***

## Clear Span construction. No Interior Bearing walls.

**Place walls, windows and doors anywhere. Flexible interior design layout.**

- ***Stunning visuals in Great rooms with 12-16 ft ceilings and oversize windows.***

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