

SIPS ARE HIGH-PERFORMANCE BUILDING PANELS FOR FLOORS, WALLS AND ROOFS IN RESIDENTIAL AND COMMERCIAL BUILDINGS.

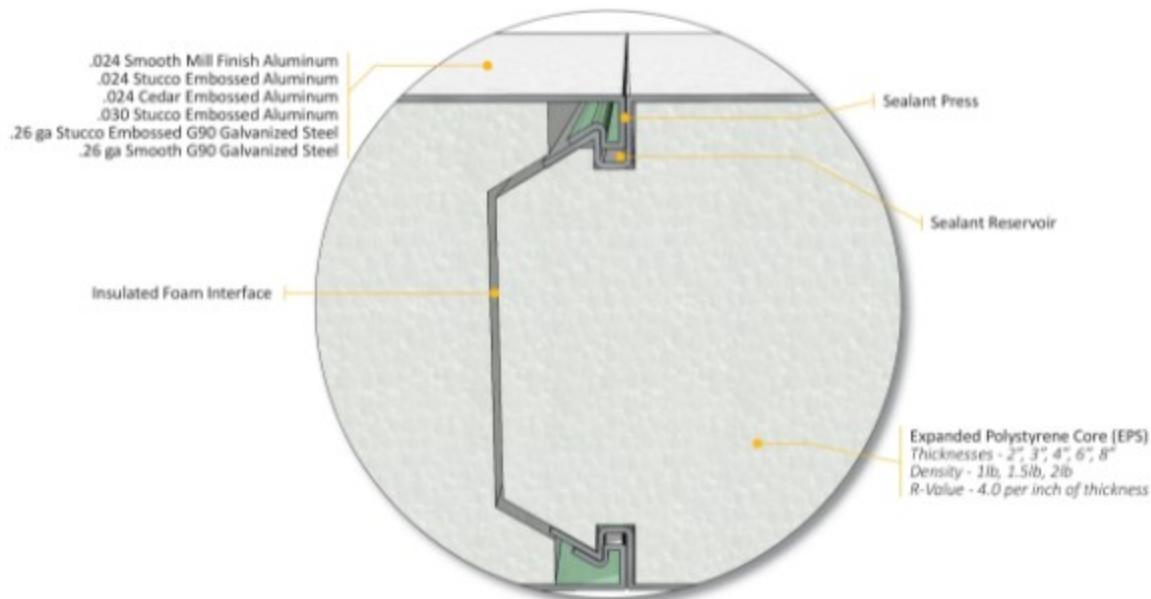
Structall Building Systems uses expanded polystyrene (EPS) foam insulation sandwiched between two structural skins of steel, resulting in a building system that is strong, predictable, energy-efficient, and cost effective. The Snap-N-Lock™ Insulated Panel combines the energy-efficiency of foam core building panels with a unique joint design that adds strength to the wall and roof units and simply snaps together. The internal snap-lock fastening system provides a sealant reservoir which covers and protects the sealant from harsh elements. Deterioration of the sealant is reduced over time, which ensures that a waterproof bond is maintained. The panels, when snapped together, form a continuous foam interface for maximum energy savings. Gaps are virtually eliminated in the wall and roof. There is less settling or compressing, less moisture absorption or dust saturation, and considerably fewer cavities that permit convection or air circulation than in conventional framing methods. All these factors dramatically improve the energy-efficiency of the home. In case studies heating and cooling costs have been cut as much as 58% compared to a stick-built structure with the same insulation value and square footage.



THIS SYSTEM IS STRUCTURALLY SUPERIOR OVER CONVENTIONAL STUD FRAMING METHODS.

The core of rigid expanded polystyrene foam provides shear strength, while the exterior skins provide tensile and compressive strength. Because a continuous wall and roof are formed by the Snap-N-Lock™ Insulated Panel, it can use all its capacity to support vertical loads, has greater racking resistance and can resist local loads, buckling and bending. These are important characteristics for resisting earthquake and hurricane forces. The panels are so strong and dimensionally stable that the work crew can actually walk on the first roof panel after it is secured into place.

- Internal Snap-Lock fastening feature.
- Snaps together in header.
- No rocking of panels required.
- Metal is chemically bonded to foam.
- Continuous Insulation.
- Quick and easy to install.
- Foam thicknesses from 2" to 8".
- Panels come in 48" or 23-1/8" widths.
- Eliminates condensation problems.
- Skylights and fans installed with ease.



- **Florida Product Approved (HVHZ)**

Approval #: FL-15491-R4

Approval #: FL21443.1 & .2 - R1

Approval #: FL-19974-R1

- **California FBH Approved**

CALRP2410 and CALRP026g

- **Texas Department of Insurance Approved**

Approval #: RC-247

- **International Code Council - ICC**

The Snap-N-Lock™ Panel is recognized by ICC-ES

ESR- 2488 and # ESR-3152

- **ENERGY STAR® Certified**

.024 & .030 Aluminum Snap-N-Lock™ Composite Roof Panels with White Tuff-Kote Gold Dual Layer Paint Finish meet or exceed the requirements set forth by ENERGY STAR®.

- **Aluminum Association of Florida**

The Florida Building Commission has formally adopted the AAF Guide Book into the Florida Building Code.

Colors & Textures

					
White Smooth Steel	White Stucco Steel	White Stucco Aluminum	White Cedar Aluminum	Ivory Stucco Aluminum	Ivory Cedar Aluminum
					
Mill Finish Smooth Aluminum	Desert Sand Cedar Aluminum	Sandstone Stucco Aluminum	Sandstone Cedar Aluminum	Adobe Stucco Aluminum	Bronze Stucco Aluminum

SNAP-N-LOCK™ STRUCTURAL INSULATED PANEL (SIP) COMPARISON

	Skins:	.024 Aluminum	.030 Aluminum	26ga G90 Galvanized Steel
	Textures:	Smooth, Stucco, Cedar	Stucco	Smooth, Stucco
	Colors:	Mill, White, Ivory, Sandstone, Adobe, Bronze, Desert Sand	White	White
Mill Finish / Smooth		•		
White / Smooth				•
White / Stucco		•	•	•
White / Cedar		•		
Ivory / Stucco		•		
Ivory / Cedar		•		
Sandstone / Stucco		•		
Sandstone / Cedar		•		
Adobe / Stucco		•		
Bronze / Stucco		•		
Desert Sand / Cedar		•		
	Thickness:	2", 3", 4", 6", 8"	2", 3", 4", 6", 8"	2", 3", 4", 6", 8"
	EPS Foam:	1lb, 1.5lb, 2lb	1lb, 1.5lb, 2lb	1lb, 1.5lb, 2lb
Insect Resistant Foam:		Available	Available	Available
	Finish:	Sherwin Williams Polyester w/ Crystal Coat	Sherwin Williams Polyester w/ Crystal Coat	Akso USDA White Ceram-a-star Medium Gloss