

Restaurants & Hospitality



Structural Insulated Panels

Porter Structural Insulated Panels (PorterSIPs) are a high performance building system for residential and commercial construction. They consist of an insulating layer of rigid EPS (Expanded Polystyrene) sandwiched between two layers of OSB (Oriented Strand Board). SIPs are a unique building product that combines structure and insulation in one large rigid panel (up to 8' x 24'). This allows for an energy savings of up to 50% in comparison to conventional buildings.



ENERGY EFFICIENT



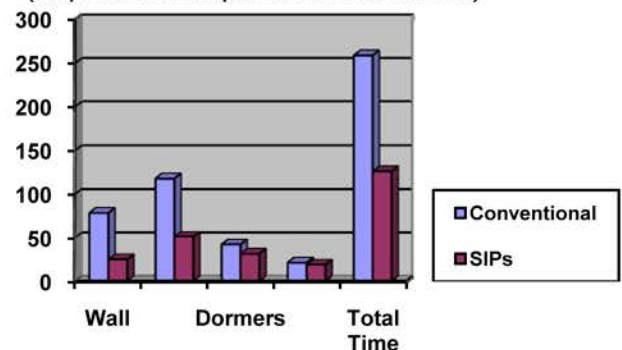
EARN LEED POINTS



- Panels arrive pre-cut and ready to assemble
- Constructed in approximately half the time
- Stronger than conventional building
- 90% less air leakage than stick-framed
- Eliminates thermal bridging
- SIPs structures use 12-20% less dimensional lumber than stick building
- Reduced time and labor costs



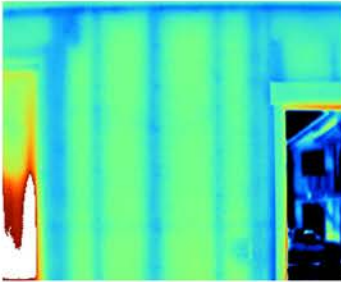
Chart for Actual installed Time-Comparison (hours)
(Reprinted with permission of BASF)



“Thank you for providing the structural Insulated Building Panels for our Wendy’s and Twisted Rooster restaurants in Michigan. The SIP’s have proven to be a much more time efficient construction method for building our restaurants. With PorterSIPs expertise, the construction time has been significantly reduced, allowing for an earlier opening. The SIP’s have also provided energy savings in both heating and cooling our restaurants.”

-Mark McDowell, Project Manager, Meritage Hospitality Group

See the difference in performance



Stick frame with fiberglass insulation



SIP construction

“R” Value of PorterSIP panels

Panel Thickness	Panel “R” Value
4 1/2” (11.4 cm)	15.2
6 1/2” (16.5 cm)	24.7
8 1/4” (21.0 cm)	33.0
10 1/4” (26.0 cm)	42.5
12 1/4” (31.1 cm)	52.0

Utility costs have been proven to go down by as much as 50-80% in a SIP building when compared to a conventional stick built structure.



Request a catalog or visit our website for
LEED certifications and additional information

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