

XIV. Ventilation

SIP buildings are extremely airtight and require mechanical ventilation. Ventilation systems bring fresh air into the building in controlled amounts and exhaust moisture laden and stale air to the outside. By limiting air exchange to controlled ventilation systems, SIP homes allow for all incoming air to be filtered for allergens and dehumidified, resulting in better indoor air quality. Ventilation systems can be designed to incorporate heat recovery ventilators (HRV's). These advanced systems harness heat being exhausted from the home and utilize it to heat the fresh air coming into the home for an even more efficient use of energy. Proper ventilation is important in all homes to preserve indoor air quality.

XV. MSDS

Some areas of the country may require MSDS sheets on the products going into the project. This information is lengthy and not needed by everyone. EPS can provide a complete MSDS packet upon request.

General Recommendations

EPS Structural Insulated Panels (SIPs) must be designed and installed in accordance with:

- All Applicable Codes
- Load Charts & Construction Details
- Information within Quotations & Drawings
- Following Items

Thermal Barriers

All interior surfaces of SIP panels must be finished with a minimum 15-minute thermal barrier, typically ½" gypsum board or 1X wood paneling. One hour fire rated systems can be achieved when constructed per listed design. Consult applicable codes regarding compliance requirements.