



## SIP No. 2069

**Subject:** LEED for Homes

**Date:** November 2009

The United States Green Building Council (USGBC) publishes the Leadership in Energy and Environmental Design (LEED) rating system to help encourage sustainable design.

The LEED for Homes Rating System has been specifically designed to help advance sustainable design in the construction of residential homes. Credits or points are earned for meeting specific milestones in various categories. A minimum number of available points are required to achieve a LEED Certified rating. Silver, Gold, and Platinum levels are also available by meeting higher point thresholds. The categories covered by the LEED for Homes Rating System include:

- Innovation & Design Process
- Location & Linkages
- Sustainable Sites
- Water Efficiency
- Energy & Atmosphere
- Materials & Resources
- Indoor Environmental Quality
- Awareness & Education

### LEED Point Potential when using R-Control SIPs

#### Innovation & Design Process

ID3: Innovation or Regional Design

R-Control SIP use can be shown to be an innovative design measure for 1 point.

#### Sustainable Sites

SS5: Nontoxic Pest Control

R-Control SIPs with FrameGuard are protected with a borate product that can qualify as a non toxic pest control strategy for 1/2 point.

#### Energy & Atmosphere

ES1: Optimize Energy Performance

R-Control SIPs can help build a Energy Star qualified home and a suitable HERS Index that will provide numerous points (up to 34).

EA2: Insulation

R-Control SIPs can be selected with an R-value 5% higher than the Energy code to achieve 2 points for enhances insulation.

EA3: Air Infiltration

The tight construction of R-Control SIPs make it easy to meet the minimal envelope leakage requirement (3 points).

#### Materials & Resources

MR1: Material-Efficient Framing

R-Control SIPs can be provided fully fabricated to a home plan. The framing efficiencies of R-Control SIPs meet the requirement of Credit 1.4 (up to 2 points) or Off-Site Fabrication (4 points).



## Materials & Resources - cont'd

### MR2: Environmentally Preferable Products

R-Control SIPs are available FSC Chain of Custody certified when manufactured with FSC certified OSB (up to 1 point).

### MR3: Waste Management

R-Control SIPs can be provided fully fabricated to reduce on-site waste (up to 3 points).

## Indoor Environmental Quality

### EQ4: Outdoor Air Ventilation

As part of the airtight construction with R-Control SIPs, a ventilation design to incorporate outdoor air ventilation is part of the process when building with R-Control SIPs (up to 3 points).

For more information on LEED for Homes, please visit [www.usgbc.org](http://www.usgbc.org)



R-Control SIPs are made exclusively with Foam-Control EPS. R-Control SIPs and Foam-Control EPS are manufactured by AFM Corporation licensees.

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