

USGBC LEED-Homes v2008 is a comprehensive Sustainable Building program for residential projects covering the following design and process categories:

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

Each category contains multiple credit point guidelines for a project team to consider during design, construction, and function of the building. The credit points are then compiled in order to achieve one of four levels of certification; Certified, Silver, Gold and Platinum. Andersen patio doors and windows can be leveraged as part of the design team strategy to pursue the following USGBC LEED-Homes credits:

## Innovation and Design Process

- **ID Prerequisite 2.1 Durability Planning**

*Complete a Durability Evaluation to identify all moderate and high risk durability issues for the building enclosure and incorporate those strategies into project documentation.*

Andersen installation guides provide customers with guidance in water management techniques to help insure proper protection against water infiltration where products integrate with wall systems. Andersen continuous drip cap is provided with factory built combinations and can be purchased separately to cover head conditions at single units.

- **ID Prerequisite 2.3 Quality Management**

*Prior to construction, the builder shall have a quality management program in place to ensure implementation of the durability strategies during construction.*

Andersen installation guides provide customers with guidance in water management techniques to help insure proper protection against water infiltration where products integrate with wall systems. Andersen continuous drip cap is provided with factory built combinations and can be purchased separately to cover head conditions at single units.

- **Approved Innovation & Design (ID) Request: Acoustic Comfort**

*Provide acoustic comfort by minimizing intruding noise in homes located in areas with high exterior noise, and/or multi-family buildings.*

Andersen products having acceptable STC performance ratings may work together with wall and roof systems to ensure sound transmission from exterior to interior is reduced to meet requirements listed in this ID request.

## Energy and Atmosphere

- **EA Prerequisite 1.1 Energy Star for Homes**

*Meet requirements of ENERGY STAR for Homes; home must be third-party inspected.*

Andersen products meeting Energy Star requirements may work together with wall and roof systems to ensure energy performance of the home meets IECC 2004 requirements.

- **EA 1.2 Exceptional Energy Performance**

*Exceed requirements of ENERGY STAR for Homes; home must be third-party inspected.*

Andersen products exceeding Energy Star requirements may work together with wall and roof systems to create energy performance of the home exceeding IECC 2004 requirements. Points are awarded depending on level of performance achieved above IECC 2004 requirements.

- **EA Prerequisite 3.1 Good Envelope**

*Air leakage rate from the envelope must meet the requirements defined in the credit for a given climate zone defined by IECC.*

Andersen products are tested to certify compliance with air infiltration of a maximum 0.30 CFM/sq. ft., per ASTM E283, at a test pressure of 1.57 PSF. Therefore, Andersen products may influence building performance during testing to fulfill the minimum requirement.

- **EA 3.2 Better Envelope**

*Air leakage rate from the envelope must meet the requirements defined in the credit for a given climate zone defined by IECC.*

Andersen products are tested to certify compliance with air infiltration of a maximum 0.30 CFM/sq. ft., per ASTM E283, at a test pressure of 1.57 PSF. Therefore, Andersen products may influence building performance during testing to exceed the minimum requirement.

- **EA 3.3 Best Envelope**

*Air leakage rate from the envelope must meet the requirements defined in the credit for a given climate zone defined by IECC.*

Andersen products are tested to certify compliance with air infiltration of a maximum 0.30 CFM/sq. ft., per ASTM E283, at a test pressure of 1.57 PSF. Therefore, Andersen products may influence building performance during testing to exceed the minimum requirement.

- **EA Prerequisite 4.1 Good Windows**

*Design and install windows that meet or exceed requirements for ENERGY STAR labeled windows.*

Andersen products meeting the project energy code requirements fulfill the required minimum energy rating.

- **EA 4.2 Enhanced Windows**

*Design and install windows and glass doors that have NFRC ratings that exceed the window requirements in ENERGY STAR for Homes national Builder Option Package.*

Andersen products exceeding the requirements in ENERGY STAR for Homes national Builder Option Package fulfill the required minimum energy rating for this credit.

- **EA 4.3 Exceptional Windows**

*Design and install windows and glass doors that have NFRC ratings that substantially exceed the window requirements in the ENERGY STAR for Homes national Builder Option Package.*

Andersen products substantially exceeding the requirements in ENERGY STAR for Homes national Builder Option Package fulfill the required minimum energy rating for this credit.

## Materials and Resources

- **MR 2.2 Environmentally Preferable Products**

*Use products that are environmentally preferable and/or extracted, processed, and manufactured within 500 miles of the home.*

Andersen 200 series and 400 series have been independently certified to retain FSC Chain-of-Custody number for FSC wood-based components.

- **MR Prerequisite 3.1 Waste Management Planning**

*Investigate and document local options for diversion (recycling, reuse, etc.) of all anticipated major constituents of the project waste stream, including cardboard packaging and “household” recyclables.*

Andersen packaging materials are recyclable or have minimal non-recyclable components, helping to reduce landfill contributions during construction.

- **MR 3.2 Waste Reduction**

*Divert waste generated from new construction activities from landfills and incinerators, limiting to level below the industry norm.*

Andersen packaging materials are recyclable or have minimal non-recyclable components, helping to reduce landfill contributions during construction.

## Indoor Environmental Quality

- **IEQ 8.3 Pre-Occupancy Flush**

*Flush home with fresh air continuously for one week with all windows kept open and the HVAC system fan running continuously.*

Andersen operating window products allow for natural ventilation to aid in the one week flush of airborne contaminants before occupancy.

## Awareness and Education

- **AE Prerequisite 1.1 Basic Operations Training**

*The builder shall provide the home's occupant(s) with operations and maintenance manual binder that includes completed checklist of LEED FOR HOMES features, operations and maintenance guidance for LEED for Homes related equipment installed in the home, guidance on cleaning materials and methods, etc.*

Andersen installation guides provide cleaning guidance for all door and window products. Builder can download LEED features unique to Andersen products from the web site. Service information is available to builder for maintenance of Andersen products.

- **AE 1.2 Enhanced Training**

*The builder must provide 2 hours of training, in addition to the training provided in AE Prerequisite 1.1.*

Andersen provides LEED product information in both product guide and on the web site, which a builder can use to help inform participants of the unique features of a LEED Home relative to a conventional home.

- **AE 1.3 Public Awareness**

*Promote general public awareness about LEED for Homes.*

Andersen provides LEED product information in both product guide and on the web site, which a builder can use to help build at least four general informational stations at various locations for use in a green building exhibition tour to help participants learn about the unique features of a LEED Home.