

FRAMEWORKS LEED® 2009 Certification Contribution



“The Leadership in Energy and Environmental Design (LEED) Green Building Rating System™ is the nationally accepted benchmark for the design, construction, and operation of high performance green buildings. LEED promotes a whole-building approach to sustainability by recognizing performance in seven key areas of human and environmental health: sustainable sites, water efficiency, energy and atmosphere, materials and resources, indoor environmental quality, innovation in design and regional priority credits.”

FRAMEWORKS brings new light to interior architecture with doors, frames and windows that pair custom and standard glazing options with an expansive range of aluminum-frame design options to give you the flexibility to create distinctive interiors.

Featuring smart modular design, snap-on trim, recessed glazing pockets and concealed fasteners – you will find that great design is in the details. Whatever your vision – angled, segmented or radiused – FRAMEWORKS can create it for new construction or retrofit. For further information, please call 713-692-5222 or refer to our website www.frameworks.com

FRAMEWORKS' products are LEED contributing and made of aluminum – a recycled and readily recyclable material; they are manufactured in the USA and are lightweight to ship. The use of FRAMEWORKS frames, windows and doors allows for shared light and exterior views that create healthy and happy work environments.

Materials & Resources (MR)

Credit 1.2
Building Reuse -
Maintain Existing Interior
Non-Structural Elements
CI, HC, NC, R, S

Extend the life cycle of existing building stock, conserve resources, retain cultural resources, reduce waste and reduce environmental impacts of new buildings as they relate to materials manufacturing and transport. **The longevity and durability of openings constructed with products from FRAMEWORKS should allow re-use on LEED projects and help in the attainment of this credit.**

MR Credit 4
Recycled Content
CI, CS, EBOM, HC,
NC, R, S

Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials. Use materials with recycled content such that the sum of post-consumer recycled content plus 1/2 of the pre-consumer content constitutes at least 10% or 20%, based on cost, of the total value of the materials in the project. The recycled content value of a material assembly is determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value. **All products from FRAMEWORKS contain recycled content and can assist in the attainment of this credit.**

| FRAMEWORKS Product | Pre-consumer Recycled Content | Post-Consumer Recycled Content* | Total LEED Recycled Content Percentage* |
|---|-------------------------------|---------------------------------|---|
| Doors / Door Frames / Head Tracks / Trims | 50% | 25% | 50% |
| Window Frames | 50% | 25% | 50% |

* Materials composed of 25% post consumer scrap 25% and 50% post industrial scrap.

Post-consumer material is defined as waste material generated by households or by commercial, industrial and institutional facilities in their role as end-users of the product, which can no longer be used for its intended purpose.

Pre-Consumer (Post-industrial) recycled content refers to scraps that are left over during industrial or manufacturing processes and which are subsequently recycled and reused.

MR Credit 5
Regional Material
CI

Increase demand for building materials and products that are extracted and manufactured within the region, thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation. Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site for a minimum of 10% or 20%, based on cost, of the total materials value. CI allows one point if 20% material by cost is manufactured within 500 miles, second point if 10% is manufactured AND extracted, harvested or recovered. **FRAMEWORKS doors and frames always qualify for Regional Material credit under LEED CI. Please see chart below for regional material data by product line for other LEED systems.**

| FRAMEWORKS Product | Regional Material Information |
|-----------------------|--|
| All products produced | Commerce, Texas* – Extruded in Carrollton, Texas |

* Sub assemblies for these product lines are harvested greater than 500 miles from Commerce, Texas and only qualify under LEED CI.

Indoor Environmental Quality (IEQ)

IEQ Credit 4.1 & 4.2
Low-Emitting Materials
Adhesives and Sealants,
Paints and Coatings
CI, CS, NC, S

Reduce the quantity of indoor air contaminants that are odorous, irritating and/or harmful to the comfort and well-being of installers and occupants. **This credit only applies to materials applied within the weatherproofing system. FRAMEWORKS smart modular design solutions are fabricated from extruded aluminum and are naturally low-emitting.**

IEQ Credit 8.1 & 8.2
Daylight & Views
CI, CS, HC, NC, R, S

Provide building occupants with a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building. **FRAMEWORKS products allow design and layout that will assist in providing occupants with natural day lighting and views.**

IEQ Credit 9
Enhanced Acoustical
Performance
HC, S
Pilot Credit 24
Acoustics

To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design. Design the building shell, classroom partitions and other core learning space partitions to meet the Sound Transmission Class (STC) requirements of ANSI Standard S12.60-2002, Acoustical Performance Criteria, Design Requirements and Guidelines for Schools. **FRAMEWORKS' Serenity frame line offers an STC 35 solution, fully operable. These STC tested assemblies include user friendly seal sets and can help LEED projects gain credit for Enhanced Acoustical Performance.**

CI: Commercial Interiors CS: Core and Shell HC: Healthcare NC: Existing Buildings Operations & Maintenance
R: Retail S: Schools