



## LEED Declaration

### Special-Lite AF-100 and related pultruded fiberglass products

#### Intro

Our entrance products are designed to withstand the rigors of the real world, even in the most demanding commercial and institutional applications. Their superior performance in use, minimal maintenance requirements, and extended service life result in the lowest possible life cycle cost while supporting the goals of sustainability.

*The LEED rating system does not attribute any direct credits to entrance products.* However, these products can contribute to the achievement of certain credits. The following information is based upon LEED v4, Building Design and Construction. However, the credits mentioned here often have comparable credits in other LEED v4 systems, such as the LEED v4 Operations and Maintenance system.

#### Energy & Atmosphere

- Contributes to achievement of “Minimum Energy Performance” prerequisite
- Contributes to achievement of “Optimize Energy Performance” credit (up to 18 points)

#### Explanation:

The AF-100 door and frame achieve a tested U-value of 0.13 while the ASHRAE 90.1 standard targets comparable door U-value at 0.5. (U-value speaks to the rate of heat loss or gain. Lower is better.) The AF-100 U-value, far exceeds the ASHRAE requirement. This thermal efficiency helps reduce heating and cooling loads. When used as an exterior door, the AF-100 contributes to the thermal efficiency of the building envelope.

Note: The Optimize Energy Performance credit offers more LEED point potential than any other single LEED credit and exceeds the total of each of the other, major LEED categories including Integrative Process, Location & Transportation, Sustainable Sites, Water Efficiency, Materials & Resources, Indoor Environmental Quality, Innovation, and Regional Priority.

#### Materials & Resources

- Can contribute to the achievement of “Building Life Cycle Impact Reduction” credit (up to 5 points)

#### Explanation:

When using Option 4 (whole building life cycle assessment) for this credit, the extended service life of the AF-100 versus, for example, common hollow metal doors, has meaning. Due to its extended service life, you can calculate improvements in the following impact categories of reduction:

- Global warming potential (greenhouse gases)
- Acidification of land and water sources
- Depletion of non-renewable energy resources

## Indoor Environmental Quality

- Contributes to achievement of “Low Emitting Materials” credit (up to 3 points)

Explanation:

The AF-100 is GREENGUARD Gold certified. [GREENGUARD](#) certification requires the [ASTM D6670-13](#) test to be performed. All Special-Lite products, including the AF-100, exceeded the test requirements to earn the certification. These low-emitting products ensure a high level of indoor air quality.

## Regional Priority

- Can contribute to achievement of “Regional Priority” credit (up to 4 points)

Explanation:

Must be used within 500 miles of Marshall (Searcy County) Arkansas or Decatur (Van Buren County) Michigan.