# LEED Information

## Neuma Fiberglass Doors (24 Possible Points)

## ENERGY AND ATMOSPHERE

### EA Credit 1: Optimized Energy Performance (16 Possible Points)

**Intent:** Achieve increasing levels of energy performance above the baseline in the prerequisite standard to reduce environmental energy use.

**Neuma Doors Statement of Energy Performance:** Neuma Doors can help increase energy performance in the following ways:

**High R Glazing:** High performance glazing in all of our products, with options for products with additional low e options and U factors as low as .26.
**Low infiltration rates (DP performance)**: High design pressure performance ratings help provide low air infiltration rates.
**Solar Heat Gain**: Options available to reduce Solar Heat Gain for improved energy performance.

**EA Credit 1 Requirements (1-16 Points)** Demonstrate a percentage improvement in the proposed building performance rating compared to the baseline building performance rating per ASHRAE/IESNA Standard 90.1-2004 by a whole building project simulation. See US Green Building Council for additional details.

## MATERIALS AND RESOURCES

### MR Credit 2: Construction Waste Management (2 Possible Points)

**Intent:** Divert construction debris from disposal in landfills and incinerators. Redirect recyclable recovered resources back to the manufacturing process. Redirect reusable materials to appropriate sites.

**Neuma Doors Statement of Construction Waste Management:** Neuma recycles all recyclable packaging and waste generated in the production process of our doors.

**MR Credit 2.1 Requirements (1 Point)** Recycle and/or salvage at least 50% of non-hazardous construction and demolition debris. Develop and implement a construction waste management plan that, at a minimum, identifies the materials to be diverted from disposal and whether the materials will be sorted on-site or co-mingled. Calculations can be done by weight or volume, but must be consistent throughout.

**MR Credit 2.2 Requirements (1 Point in addition to MR Credit 2.1)** Recycle and/or salvage an additional 25% beyond MR Credit 2.1 (75% total) of non-hazardous construction and demolition debris.

### MR Credit 4: Recycled Content (3 Possible Points)

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**Intent:** Increase demand for building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

**Neuma Doors Statement of Recycled Content:** Neuma gliding and hinged door systems contain 71.6% post-consumer recycled content and 0% pre-consumer recycled content. Neuma transoms contain 100% post-consumer recycled content and 0% pre-consumer content.

**MR Credit 4.1 Requirements (1 Point)** Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes at least 10% (based on cost) of the total value of the materials in the project. The recycled content value of a material assembly shall be determined by weight. The recycled fraction of the assembly is then multiplied by the cost of assembly to determine the recycled content value. Only include materials permanently installed in the project. Recycled content shall be defined in accordance with the International Organization of Standards document, *ISO 14021—Environmental labels and declarations—Self-declared environmental claims (Type II environmental labeling*).

**MR Credit 4.2 Requirements (1 Point in addition to MR Credit 4.1)** Use materials with recycled content such that the sum of post-consumer recycled content plus one-half of the pre-consumer content constitutes an additional 10% beyond MR Credit 4.1 (total of 20%, based on cost) of the total value of the materials in the project.

*An additional point is available under the Innovation in Design credit if the project has a total recycled content value greater than 30%. This is in addition to the 2 points listed above for recycled content.

## INDOOR ENVIRONMENTAL QUALITY

### IEQ Credit 6: Controllability of Systems (1 Possible Point)

**Intent:** To provide a high level of thermal comfort system control to individual occupants or groups in multi-occupant spaces and promote comfort and well-being.

**Neuma Statement of use for natural ventilation:** Neuma Doors provide a high level of thermal comfort system control by providing natural ventilation using Neuma Doors and vented sidelights.

**MR Credit 6.2 Requirements (1 Point)** Provide individual comfort controls for 50% (minimum) of the building occupants to enable adjustments to meet individual needs and preferences. Operable windows may be used in lieu of controls for occupants located 20 feet inside and 10 feet to either side of the operable part of a window. The areas of operable window must meet the requirements of ASHRAE Standard 62.1-2007 paragraph 5.1 Natural Ventilation (with errata but without addenda[2]).

Provide comfort system controls for all shared multi-occupant spaces to enable

adjustments that meet group needs and preferences.

Conditions for thermal comfort are described in ASHRAE Standard 55-2004 (with errata but without addenda[2]) and include the primary factors of air temperature, radiant temperature, air speed and humidity.

## IEQ Credit 8: Daylight and Views (2 Possible Points)

**Intent:** To provide for the building occupants a connection between indoor spaces and the outdoors through the introduction of daylight and views into the regularly occupied areas of the building.

**Neuma Statement of use for daylight and views:** Neuma Doors offers numerous products to assist in achieving daylight and view requirements.

**IEC Credit 8.1 Requirements (1 Point)**: Any of the above calculation methods may be combined to document the minimum daylight illumination in at least 75% of all regularly occupied spaces. The different methods used in each space must be clearly recorded on all building plans.

In all cases, only the square footage associated with the portions of rooms or spaces meeting the requirements may be applied toward the 75% of total area calculation required to qualify for this credit.

In all cases, provide glare control devices to avoid high-contrast situations that could impede visual tasks. Exceptions for areas where tasks would be hindered by the use of daylight will be considered on their merits.

**IEC Credit 8.2 Requirements (1 Point):**
Achieve a direct line of sight to the outdoor environment via vision glazing between 30 inches and 90 inches above the finish floor for building occupants in 90% of all regularly occupied areas. Determine the area with a direct line of sight by totaling the regularly occupied square footage that meets the following criteria:

- In plain view, the area is within sight lines drawn from perimeter vision glazing.
- In section view, a direct sight line can be drawn from the area to perimeter vision glazing.

The line of sight may be drawn through interior glazing. For private offices, the entire square footage of the office may be counted if 75% or more of the area has a direct line of sight to perimeter vision glazing. For multi-occupant spaces, the actual square footage with a direct line of sight to perimeter vision glazing is counted.