



LEED MATERIALS AND RESOURCES FOR NEW CONSTRUCTION AND MAJOR-RENOVATIONS

Re: LEED Credit Information—Materials and Resources Section

Date: 1-2-2018

The LEED (Leadership in Energy & Environmental Design) Green Building Rating System™ was created in an effort to transform the building environment and shift the focus to sustainability by providing a consistent standard for what constitutes green buildings. These standards were created using an open, consensus based process that has made LEED the green building choice.

This letter is intended to provide the applicant with a declaration for LEED recognition on a specific project. NABCO Entrances assumes no responsibility for any declarations made by the applicant in regard to designation of LEED points, credits, and project certification.

Nabco Entrances Inc. supports the efforts of conservation and green buildings and would like to provide the specifiers, designers, builders and owners with relevant information about our products. All references are in accordance with the Green Building Rating System for New Construction & Major Renovations – Version 3.0 dated April 2009, as published on the US Green Building Council.

MR Credit 2.1 Construction Waste Management

The intent of this credit is to divert construction, demolition and land-clearing debris from disposal in landfills and incinerators. Redirect recyclable recovered resources back to the manufacturing process. Redirect reusable materials to appropriate sites.

- Nabco's product is shipped in environmentally friendly recycled cardboard that can be further recycled or reused to reduce the amount of waste routed to landfills.

Recycled Content:

There are two types of recycled content: Pre-Consumer and Post Consumer:

- Pre-consumer recycled content implies that the scraps and materials that are left over from the manufacturing process are recycled in some manner. Typically, this content is less environmentally beneficial because it indirectly leads to inefficient recycling processes that produce waste.
- Post-consumer recycled content implies that materials, after going through its service life, can be disassembled, recycled and/or safely disposed of without adverse impacts on air, soil or water. This type of recycled content is preferred, and whenever possible, used by NABCO Entrances.

MR Credit 4.1 Recycled Content: 10% (post-consumer + 1/2 pre-consumer)

The intent of this credit is to increase the demand for using building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

- Many of Nabco's products contain recycled content such that the sum of post-consumer recycled content plus 1/2 of the pre-consumer content constitutes at least 10% of the total value of the materials in the project.



MR Credit 4.2 Recycled Content: 20% (post-consumer + 1/2 pre-consumer)

The intent of this credit is to increase the demand for using building products that incorporate recycled content materials, thereby reducing impacts resulting from extraction and processing of virgin materials.

- Many of Nabco's products contain recycled content such that the sum of post-consumer recycled content plus 1/2 of the pre-consumer content constitutes at least 20% of the total value of the materials in the project.

MR Credit 5.1 Regional Materials: 10% Extracted, Processed and Manufactured Regionally

The intent of these credits is to 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.

- Attributable when projects are located within a 500-mile radius of our Muskego, Wisconsin manufacturing facility; Nabco's products are then considered manufactured regionally.

Indoor Environmental Quality, EQ Credit 4.2: Paintings & Coatings

The goal of Indoor Environmental Quality credit 4.2 is to reduce the exposure of building occupants and construction workers to irritating or harmful air contaminants. Many of the materials and products used in buildings give off gas volatile organic compounds (VOC).

Paints & coatings applied to interior metal must not exceed the Volatile Organic Compounds (VOC) content limits of 150 g/L established in Green Seal Standard GC-11, Paints & Coatings.

Powder Coat Paints

Fluoropolymer resin-based powder coatings that are electrostatically applied are preferred over liquid paint because they incorporate raw materials that are free of VOC and hazardous air pollutants. NABCO Entrances utilizes 100% fluoropolymer resin-based powder coatings as an available paint finish option for its products.

Anodized Aluminum Coatings

Anodized aluminum extrusions do not contain or produce a significant level of VOC's. NABCO Entrances standard product lines use anodized aluminum finishes. A full range of anodized aluminum finishes are available options.

Nabco Entrances Inc. can contribute significantly towards achieving LEED credits. Please contact Nabco for assistance with your next project.

Sincerely,

Chuck Linehan
Product Manager
NABCO Entrances