

Technical Data Series

Tech 104b

Sustainability

LEED v2009



MPI
CUSTOM STEEL DOORS & FRAMES

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The U.S. Green Building Council (USGBC) launched LEED v4 in November 2013, replacing LEED v2009 as part of their commitment to a sustainable future. USGBC is no longer accepting LEED v2009 project request, but will continue to accept submissions for approved projects until the “Sunset Date” of June 30, 2021.

Materials & Resources (MR)

MRC4.1 & MRC4.2 Recycled Content

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 materials in the project. MRC4.1 - Materials have a minimum of 10% recycled content. MRC4.2 - Materials have a minimum of 20% recycled content.

Steel makes-up over 90% of MPI’s products and one of the most recycled raw materials world wide.

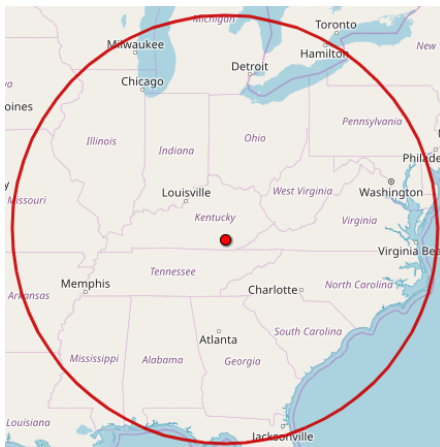
| Product | Post-Consumer Recycled Content | Pre-Consumer Recycled Content | Total Recycled Content Percentage |
|-----------------------|--------------------------------|-------------------------------|-----------------------------------|
| Frame | 27.6% | 53.5% | 54.35% |
| Polystyrene Core Door | 28.2% | 54.9% | 55.65% |

New Construction - Commercial Interiors - Core & Shell - Schools—Retail: Commercial Interiors - Retail New Construction

MRC5.1 & MRC5.2 Regional Materials

To increase demand for building materials and products that are extracted and manufactured within the region (typically 500 mile radius from job site), thereby supporting the use of indigenous resources and reducing the environmental impacts resulting from transportation.

MPI uses various steel suppliers and can typically route our supply to meet this criteria. Image below shows 500 mile radius around MPI’s Facility in Corbin, KY 40701.



*New Construction - Commercial Interiors - Core & Shell - Schools
Retail: Commercial Interiors - Retail New Construction*



Indoor Environmental Quality (EQ)

Daylight

To connect building occupants with the outdoors, reinforce circadian rhythms, and reduce the use of electrical lighting by introducing daylight into the space.

Using MPI products with light kits or sidelights will assist in achieving this credit.

*New Construction EQc7 - Core & Shell EQc4 - Schools EQc7 - Retail EQc7 - Data Centers EQc7
Warehouses EQc7 - Hospitality EQc7 - Healthcare EQc7 - Commercial Interiors EQc7
Retail Commercial Interiors EQc7 - Hospitality Commercial Interiors EQc7*

Quality Views

To give building occupants a connection to the natural outdoor environment by providing quality views.

Using MPI products with light kits or sidelights will assist in achieving this credit.

*New Construction EQc8 - Core & Shell EQc5 - Schools EQc8 - Retail EQc8 - Data Centers EQc8
Warehouses EQc8 - Hospitality EQc8 - Healthcare EQc8 - Commercial Interiors EQc8
Retail Commercial Interiors EQc8 - Hospitality Commercial Interiors EQc8*

Acoustic Performances

To provide workspaces and classrooms that promote occupants' well-being, productivity, and communications through effective acoustic design.

MPI offers a wide range of Sound Transmission Class (STC) solutions that could assist in achieving this credit.

*New Construction EQc9 - Schools EQc9 - Data Centers EQc9 - Warehouses EQc9 - Hospitality EQc9
Healthcare EQc9 - Commercial Interiors EQc9 - Hospitality Commercial Interiors EQc9*

