

Technical Data Series

Tech 104

Sustainability

LEED v4



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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. Their goal in mind was to raise the bar in a way that challenges the building industry to reach higher than ever before.

Materials & Resources (MR)

Building Life-Cycle Impact Reduction

Demonstrate reduced environmental affects during initial project decision-making by reusing existing building resources or demonstrating a reduction in materials use through life-cycle assessment.

MPI doors and frames have a long life-cycle and should allow re-use on LEED projects.

*New Construction MRc1 - Core & Shell MRc1 - Schools MRc1 - Retail MRc1 - Data Centers MRc1
Warehouses MRc1 - Hospitality MRc1 - Healthcare MRc1 - Commercial Interiors MRc2
Retail Commercial Interiors MRc2 - Hospitality Commercial Interiors MRc2*

Building Product Disclosure and Optimization - Environmental Product Declarations (EPD)

Selects products from manufacturers who have verified improved environmental life-cycle impacts.

Option 1 - Environmental Product Declarations (EPD)

MPI has taken part in third-party certification for both industry-wide and product-specific EPD

Option 2 - Multi-Attribute Optimization

MPI demonstrated impact reduction below industry average in all six of the indicated categories.

*New Construction MRc2 - Core & Shell MRc2 - Schools MRc2 - Retail MRc2 - Data Centers MRc2
Warehouses MRc2 - Hospitality MRc2 - Healthcare MRc2 - Commercial Interiors MRc3
Retail Commercial Interiors MRc3 - Hospitality Commercial Interiors MRc3*



Building Product Disclosure and Optimization - Sourcing of Raw Materials

Selects products that have been verified to have been extracted or sourced in responsible manner.

Option 2 - Leadership Extraction Practices

Steel makes up over 90% of MPI's finished products and is one of the most recycled raw materials in the world.

Product	Post-Consumer Recycled Content	Pre-Consumer Recycled Content	Total Recycled Content (formulated)
Frame	27.6%	53.5%	54.35%
Polystyrene Core Door	28.2%	54.9%	55.65%

*New Construction MRc3 - Core & Shell MRc3 - Schools MRc3 - Retail MRc3 - Data Centers MRc3
Warehouses MRc3 - Hospitality MRc3 - Healthcare MRc3 - Commercial Interiors MRc4
Retail Commercial Interiors MRc4 - Hospitality Commercial Interiors MRc4*

Building Product Disclosure and Optimization - Material Ingredients

Selects products for which the chemical ingredients in the product are inventoried using an accepted methodology and for selecting products verified to minimize the use and generation of harmful substances.

Option 1 - Material Ingredients Reporting

MPI has published a Health Product Declaration (available on our website) .

*New Construction MRc4 - Core & Shell MRc4 - Schools MRc4 - Retail MRc4 - Data Centers MRc4
Warehouses MRc4 - Hospitality MRc4 - Healthcare MRc4 - Commercial Interiors MRc5
Retail Commercial Interiors MRc5 - Hospitality Commercial Interiors MRc5*



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 Performance

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*

