



Leadership in Energy & Environmental Design

LEED, or Leadership in Energy and Environmental Design, is an internationally-recognized green building certification system. LEED provides building owners and operators with a framework for identifying and implementing practical and measurable green building design, construction, operations and maintenance solutions.

LEED promotes sustainable building and development practices through a suite of rating systems that recognize projects that implement strategies for better environmental and health performance.

LEED is flexible enough to apply to all building types – commercial as well as residential. It works throughout the building lifecycle – design and construction, operations and maintenance, tenant fitout, and significant retrofit. And LEED for Neighborhood Development extends the benefits of LEED beyond the building footprint into the neighborhood it serves.

LEED promotes a whole-building approach to sustainability by recognizing performance in key areas: Sustainable Sites, Water Efficiency, Energy & Atmosphere, Materials & Resources, Indoor Environmental Quality, Locations & Linkages, Awareness & Education, Innovation in Design & Regional Priority.

The accumulation of credits or points, awarded for compliance with requirements defined by the rating system, determines the level of certification of that building – certified, silver, gold, or platinum. For more information about the U.S. Green Building Council and to access the complete LEED rating system and updates, please visit www.usgbc.com.

This document has been assembled to aid in the selection of Mar-flex below grade products that may impact the following credits: Recycled Content, Local/Regional Materials as well as opportunities for Innovation in Design.

Mar-flex products that meet the definition for Pre-Consumer recycled content:

ShockWave (40%) Drainage/Insulation Board

Mar-flex products that meet the definition for Post-Consumer recycled content:

Drain & Dry Drainage/Insulation Board (58.5%)
Shockwave (60%) Geo-Mat Roll, Geo-Mat “Plus” Roll, **GeoDrain Tile-6-12” (50%)**
ArmorDrain 110,150,400 & (PF) Rolls (50%) recycled polypropylene material
Excess core material is reground and used again in the manufacturing process.

Mar-flex products that meet the Regional Materials definition:

Mar-flex’s manufacturing facility is located in Carlisle, Ohio 45005

Mar-flex products that could be used under Innovation in Design:

All below-grade Mar-flex liquid waterproofing membranes, drainage or protection boards, egress window wells.



NAHB GREEN BUILDING STANDARD

604.1 RECYCLED CONTENT. Building materials with recycled content are used for two minor and/or two major components of the building.

Material Percentage Recycled Content	Points per 2 Minor	Points per 2 Major
25% to less than 50%	1	2
50% to less than 75%	2	4
More than 75%	3	6

LEED FOR HOMES

Innovation in Design 6 Possible Points

- Credit 1 Innovation in Design 1-5
- ID 2 Use Mar-flex to contribute to meeting prerequisite**

ID 2.1 Durability Planning- no points but can be used to meet mandatory durability criteria.

To provide design teams and projects the opportunity to achieve exceptional performance above the requirements set by the LEED Green Building Rating System and/or innovative performance in Green Building categories not specifically addressed by the LEED Green Building Rating System.

Because waterproofing is not addressed this is a great opportunity to go above the basic requirements by adding a protection barrier to the exterior of the foundation and cavity wall area. This creates a barrier from vapor transmission above-grade as well as hydrostatic pressure below-grade.

LEED NEW CONSTRUCTION

Materials and Resources

MR Credit 4 Recycled Content

<u>Recycled Content</u>	<u>LEED Points</u>
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10% (post-consumer + ½ pre-consumer) 1 (credit 4.1)

20% (post-consumer + ½ pre-consumer) 1 (credit 4.2)
(Credit 4.2 also earns 1 point for credit 4.1)

MR CREDIT 5 Regional Materials

MR CREDIT 5.1 10% Extracted, Processed & Manufactured Regionally (within 500 miles) 1 Point

MR CREDIT 5.2 20% Extracted, Processed & Manufactured Regionally 1 Point (Credit 5.2 also earns 1 point for credit 5.1)