

### INTRODUCTION

The U.S. Green Building Council (USGBC) launched the Leadership in Energy and Environmental Design (LEED®) Green Building Rating System as a nationally recognized standard promoting the design and construction of high-performance buildings. LEED Certification recognizes and rewards builders for meeting performance standards and creating environmentally responsible and healthy places to live and work.

### LEED® FOR HOMES

LEED for Homes is a standard for the design and construction of high performance homes. The benefits of a LEED home include lower energy and water bills, reduced greenhouse gas emissions, and less exposure to mildew, mold and other toxins. A LEED-Certified building gives the homeowner the confidence that their residence is durable, healthy and environmentally friendly.

LEED Certification is done by independent, certified inspectors. Individual products are not LEED Certified but contribute to the overall LEED rating of the building. Choosing environmentally responsible products can contribute to the overall LEED points gained on a project. A current list of authorized providers and more information on the LEED Certification can be found at [www.usgbc.org](http://www.usgbc.org).

### LEED® CERTIFICATION REQUIREMENTS

THERE ARE FOUR CERTIFICATION LEVELS:

- CERTIFIED (45 - 59 POINTS)
- SILVER (60 - 74 POINTS)
- GOLD (75 - 89 POINTS)
- PLATINUM (90 - 136 POINTS)

The rating system included prerequisites, i.e. mandatory measures that must be completed during the design and construction phase, minimum number of points that must be earned in some of the credit categories.

THE LEED® RATING SYSTEM FOR HOMES USES EIGHT SEPARATE CATEGORIES:

CREDIT CATEGORY	PREREQUISITES (MANDATORY MEASURES)	MINIMUM POINT REQUIREMENTS	MAXIMUM POINTS AVAILABLE
Innovation & Design Processes (ID)	3	0	11
Location and Linkages (LL)	0	0	10
Sustainable Sites (SS)	2	5	22
Water Efficiency (WE)	0	3	15
Energy and Atmosphere (EA)	2	0	38
Materials and Resources (MR)	3	2	16
Indoor Environmental Quality (EQ)	7	6	21
Awareness and Education (AE)	1	0	3
<b>Total</b>	<b>18</b>	<b>16</b>	<b>136</b>

# DRYline®

## BUILDING WRAP SYSTEMS

### POTENTIAL LEED® POINTS FOR DRYLINE BUILDING WRAPS

Below is a list of how DRYline products can contribute to achieving LEED points. The recommendations highlight the USGBC LEED Green Building Rating System. They should not be construed as comprehensive recommendations for LEED design and construction. For complete details on the LEED certification process, consult a LEED professional or contact the U.S. Green Building Council.

### LEED® AND NAHB GREEN BUILDING CRITERIA

LEED® CRITERIA	REQUIREMENT	POSSIBLE POINTS	DRYLINE® PRODUCT
LEED H Version 1.11A			
EA 1 ENERGY STAR Labeled Home	Improve the overall energy performance of the home. Points are earned by exceeding a base HERS Index (85 for Southern States, 80 for Northern States)	1-34	DRYline building wraps are an integral component in the performance of the exterior building wall structure.
MR2 Environmentally Preferable Products	Use environmentally preferable products (EPP).	0.5	DRYline building wraps are formaldehyde-free and do not off-gas. Finished goods may be produced in Richmond, VA.
	Use materials that have been extracted, processed and manufactured within 500 miles of the home (local).	0.5	
LEED NC v2.2 Credit			
EA 1 Optimize Energy Performance	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 using the Building Performance Rating Method.	1 - 10	DRYline building wraps meet ICC building code requirements and are an integral component in the performance of the exterior building wall.
MR 3.2 Construction Waste Reduction	Generate 2.5 pounds or less of net waste per square foot of conditioned floor area	0 - 3	DRYline building wraps weigh less than asphalt-saturated kraft paper and are an excellent way to contribute to reduced construction waste. A wide variety of roll sizes are available so that material usage can be tailored
MR 4.1 10% - 20% MR 4.2 Recycled Content	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% (1 point) or 20% (2 points) of the cost of the total value of the materials in the project.	1 - 2	DRYline building wraps may contain up to 10% recycled material.
MR 5.1 10-20% MR 5.2 Regional Materials	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured within 500 miles of the project site for a minimum of 10% (1 point) or 20% (2 points) of the cost of the total materials value.	1-2	Finished goods may be produced in Richmond, VA.

### CONCLUSION

DRYline Building Wraps are ideally suited to help construction professionals earn LEED Certification on their building projects. For more information on building green, visit: [www.usgbc.org](http://www.usgbc.org).

# DRYline<sup>®</sup>

## BUILDING WRAP SYSTEMS

### NAHB GREEN BUILDING GUIDELINES

The National Association of Home Builders (NAHB) has established Model GREEN Building Guidelines for the builder to serve as a tool kit to create new Green Building Programs. Much like LEED criteria, the NAHB Green Building guidelines incorporate environmental considerations into every phase of the building process.

The NAHB Green Building program has eight guiding principles:

- Lot Design, Preparation, and Development
- Energy Efficiency
- Indoor Environmental Quality
- Global Impact
- Resource Efficiency
- Water Efficiency
- Operation, Maintenance, and Homeowner Education
- Site Planning and Land Development

For more information, visit: [www.nahbgreen.org](http://www.nahbgreen.org)

### HOW DRYLINE PRODUCTS SATISFY NAHB GREEN BUILDING GUIDELINES

NAHB GUIDELINE		REQUIREMENT	POSSIBLE POINTS	DRYLINE STATUS
2.1.5	Use building materials that require no additional finish to complete application onsite.	Materials that do not require additional finish resources save on priming, painting, and/or additional resources at the installation stage.	4	No onsite finishing required.
2.2.8	Building design minimizes degradation and weathering of materials and enhances life expectancy.	Use termite-resistant materials for walls, floor joists, trusses, exterior decks, and other exterior wood in regions known to be termite infested.	7	DRYline building wraps are termite-resistant.
2.2.9		Provide a water-resistant barrier (WRB) or a drainage plane system behind the exterior veneer system or the exterior siding.	8	DRYline building wraps are water-resistant barriers (WRB) intended for use behind the exterior siding.
2.4.1	Use recycled-content building materials.	Use at least two recycled content materials for 3 points. Each additional material will add a point.	3-6	DRYline building wraps may contain up to 10% recycled material.
2.8.1	Use locally available, indigenous materials.	To earn 3 points, incorporate at least one type of locally available indigenous material into the home's construction. Additional points can be earned for each locally available indigenous material.	3-5	Finished goods may be produced in Richmond, VA.
2.8.2	Based on life-cycle assessment (LCA), use the most environmentally preferable product for the building component.	A life cycle assessment (LCA) compares the cradle-to-grave environmental effects and costs of common building materials.	8	DRYline building wraps are more stable in wetting cycles than traditional building felt and may be recycled. No maintenance or replacement is required.
3.2.1	Increase building efficiency.	Points are based on the percent increase in energy efficiency over the over the baseline IECC 2003.	100	DRYline building wraps are an integral component of an energy efficient exterior wall system.
3.3.1 B	Incorporate air sealing package to reduce infiltration.	Use either an interior or exterior air barrier as per local practice.	10	DRYline building wraps are an effective exterior air barrier.

**DRYline<sup>®</sup>**  
 BUILDING WRAP SYSTEMS  
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