

COVERPRO[®] 1000

SYNTHETIC ROOFING UNDERLAYMENT

High Strength/Lightweight – Felt Replacement



SUSTAINABILITY INFORMATION

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.

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

CREDIT CATEGORY	PREREQUISITES (MANDATORY MEASURES)	PREREQUISITES (MANDATORY MEASURES)	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 & Atmosphere (EA)	2	0	38
Materials & Resources (MR)	3	2	16
Indoor Environmental Quality (EQ)	7	6	21
Awareness & Education (AE)	1	0	3
Total	18	16	136

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 — mandatory measures that must be completed during the design and construction phase, and minimum number of points that must be earned in some of the credit categories.

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POTENTIAL LEED® POINTS FOR COVERPRO 1000 SYNTHETIC UNDERLAYMENTS

Below is a list of how CoverPRO® 1000 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® CRITERIA	REQUIREMENT	POSSIBLE POINTS	COVERPRO® 1000 PRODUCT
Leed H Version 1.11A			
MR2 Environmentally Preferable Products	Use Environmentally Preferable Products.	0.5	CoverPRO 1000 synthetic underlayments are formaldehyde-free and do not off-gas.
	Use materials that have been extracted, processed and manufactured within 500 miles of the home (local).	0.5	Finished goods may be produced in Richmond, VA.
Leed NC Version 2.2 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	CoverPRO 1000 synthetic underlayments 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 lbs or less of net waste per square foot of conditioned floor area.	0-3	CoverPRO 1000 synthetic underlayments weigh less than asphalt-saturated roofing felt 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	CoverPRO 1000 synthetic underlayments may contain up to 10% recycled material.

CONCLUSION

CoverPRO 1000 synthetic underlayments are well-suited to help construction professionals earn LEED Certification on their building projects. For more information on building green, visit: www.usgbc.org.

See the following page for the NAHB Green Building Guidelines.

SUSTAINABILITY INFORMATION

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 the LEED criteria, the NAHB Green Building Guidelines incorporate environmental considerations into every phase of the building process. For more information, visit: www.nahbgreen.org.

THE NAHB GREEN BUILDING PROGRAM HAS EIGHT GUIDING PRINCIPLES:

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

NAHB GUIDELINE	DESCRIPTION	REQUIREMENT	POSSIBLE POINTS	COVERPRO® 1000 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	CoverPRO 1000 synthetic underlayments are termite resistant.
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	CoverPRO 1000 synthetic underlayments may contain up to 10% recycled materials.
2.8.1	Use locally available, indigenous materials.	To earn 3 pts, 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 the life-cycle assessment (LCA), use the most environmentally preferable product for building component.	A life-cycle assessment (LCA) compares the cradle-to-grave environmental effects and costs of common building materials.	8	CoverPRO 1000 synthetic underlayments are more stable in wetting cycles than traditional building felt and may be recycled. No maintenance or replacement is required.

CONCLUSION

CoverPRO 1000 synthetic underlayments are well-suited to help construction professionals satisfy NAHB Green Building Guidelines & achieve certification.

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