

SPEC ADVISOR

FOR GREEN BUILDING RATING SYSTEMS*

The following is for guidance purposes only. All information is subject to change; contact GAF at gaf.com/professionals/resources/architects-and-specifiers/resources teams for the most up-to-date information.

Click on the hyperlinks throughout the document to download the associated product sustainability documentation.

Rating System and Version	 LEED® v4 FOR BUILDING DESIGN AND CONSTRUCTION: NEW CONSTRUCTION								 LIVING BUILDING CHALLENGE™ v4					WELL BUILDING CERTIFICATION (WELL V2) 		
Credit Category														Materials		
	SSc5	EAp2/EAc2	EAc5	EAp2/EAc2	EAc5	EAp2/EAc2	EAc5	EAc5	EAc5	EAc5	EAc5	EAc5	EAc5	X06	X07	X08
Credit Description	Heat Island Reduction	Min/Optimize Energy Performance	Renewable Energy	Environ. prod. declarations	BPDO — Sourcing of Raw Materials (e.g., recycled content)	BPDO — Material Ingredients (e.g., HPDs)	Construction & Demo Waste Management	Low-Emitting Materials	Healthy Interior Performance	Red List	Responsible Sourcing	Living Economy Sourcing	Net Positive Waste	VOC Restrictions	Materials Transparency	Materials Optimization
	Opt. 1 & 2			Option 1	Option 2	Option 1	Opt. 1 & 2	Opt. 1 & 2						Part 1.2 & 3		Part 1

GAF Product Line²

07 21 00 THERMAL INSULATION - ROOFING

EnergyGuard™ Polyiso Insulation		✓		✓ EPD: Product-specific Type III	✓ GreenCircle: Recycled Content	✓ HPD	✓ ⁹	✓ GREENGUARD Gold	✓ GREENGUARD Gold		✓	✓	✓ ⁹	✓ Greenguard Gold (CDPH Standard Method v1.2)	✓ HPD	
EnergyGuard™ NH Polyiso Insulation		✓		✓ EPD: Product-specific Type III	✓ GreenCircle: Recycled Content	✓ Declare: RIA	✓ ⁹	✓ GREENGUARD Gold	✓ GREENGUARD Gold	✓ Declare: RIA	✓ Declare: RIA	✓ ¹⁵ Declare counts double	✓ ⁹	✓ Greenguard Gold (CDPH Standard Method v1.2)	✓ Declare	
EnergyGuard™ NH Ultra Polyiso Insulation		✓		✓ EPD: Product-specific Type III		✓ Declare: RIA	✓ ⁹	✓ GREENGUARD Gold	✓ GREENGUARD Gold	✓ Declare: RIA	✓ Declare: RIA	✓ ¹⁵ Declare counts double	✓ ⁹	✓ Greenguard Gold (CDPH Standard Method v1.2)	✓ Declare	
EnergyGuard™ NH Barrier Polyiso Insulation		✓		✓ EPD: Product-specific Type III		✓ Declare: RIA	✓ ⁹	✓ GREENGUARD Gold	✓ GREENGUARD Gold	✓ Declare: RIA	✓ Declare: RIA	✓ ¹⁵ Declare counts double	✓ ⁹	✓ Greenguard Gold (CDPH Standard Method v1.2)	✓ Declare	
EnergyGuard™ NH HD Polyiso Insulation		✓		✓ EPD: Product-specific Type III		✓ Declare: RLF	✓ ⁹	✓ GREENGUARD Gold	✓ GREENGUARD Gold	✓ Declare: RLF	✓ Declare: RLF	✓ ¹⁵ Declare counts double	✓ ⁹	✓ Greenguard Gold (CDPH Standard Method v1.2)	✓ Declare: RLF	✓ Declare: RLF
EnergyGuard™ NH HD PLUS Polyiso Insulation		✓		✓ EPD: Product-specific Type III		✓ Declare: RLF	✓ ⁹	✓ GREENGUARD Gold	✓ GREENGUARD Gold	✓ Declare: RIA	✓ Declare: RIA	✓ ¹⁵ Declare counts double	✓ ⁹	✓ Greenguard Gold (CDPH Standard Method v1.2)	✓ Declare: RLF	✓ Declare: RLF

07 54 00 THERMOPLASTIC MEMBRANE ROOFING — SINGLE-PLY ROOFING

EverGuard Extreme® TPO 50-80 mil Smooth	✓ (White & Energy Gray)	✓ Tile 24" ¹⁴ (White)		✓ EPD: Product-specific Type III	✓ ¹² GreenCircle: Recycled Content	✓ Declare: RIA	✓ ⁹		✓ GREENGUARD Gold	✓ Declare: RIA	✓ Declare: RIA	✓ ¹⁵ Declare counts double	✓ ⁹		✓ Declare	✓ Declare: RIA
EverGuard® TPO 45-80 mil Smooth	✓ (4 standard colors Gray excluded) ¹	✓ Tile 24" ¹⁴ (3 colors)		✓ EPD: Product-specific Type III	✓ ¹² GreenCircle: Recycled Content	✓ Declare: RLF	✓ ⁹		✓ GREENGUARD Gold	✓ Declare: RIA	✓ Declare: RIA	✓ ¹⁵ Declare counts double	✓ ⁹		✓ Declare	✓ Declare: RLF
Resilient Red List Approved Adhered TPO Roofing System	✓ (White & Tan; Gray excluded) ¹	✓ Tile 24" ¹⁴ (White)				✓ Declare: RIA	✓ ⁹		✓ GREENGUARD Gold	✓ Declare: RLF	✓ Declare: RLF	✓ ¹⁵ Declare counts double	✓ ⁹		✓ Declare	
EverGuard® Extreme TPO Fleeceback	✓	✓		✓ EPD: Product-specific Type III	✓ GreenCircle: Recycled Content											
EverGuard® TPO Fleeceback	✓	✓		✓ EPD: Product-specific Type III	✓ GreenCircle: Recycled Content											
EverGuard® SA TPO Self-Adhered	✓	✓		✓ EPD: Product-specific Type III		✓ Declare: RIA										

07 54 19 PVC MEMBRANE ROOFING

EverGuard® PVC Smooth 50-80 mil	✓ (White)	✓ Tile 24" ¹⁴ (White)		✓ EPD: Product-specific Type III	✓ GreenCircle: Recycled Content		✓ ⁹					✓	✓ ⁹			
EverGuard PVC Fleeceback 50-80 mil	✓ (White)	✓ Tile 24" ¹⁴ (White)		✓ EPD: Product-specific Type III	✓ GreenCircle: Recycled Content		✓ ⁹					✓	✓ ⁹			

07 72 73 VEGETATED ROOF SYSTEMS

Current Partnership - Green Rise Technologies	✓	✓					✓ ⁹					✓	✓			
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07 31 13 ASPHALT SHINGLES

Asphalt Shingle Roofing System-Fastened	✓ (Select colors) ¹	✓ Tile 24" ¹⁴ (Select colors)		✓ EPD: Generic	✓		✓ ⁵					✓	✓ ⁵			
Timberline® CS Shingles	✓ (Select colors) ²	✓ Tile 24" ¹⁴ (Select colors)		✓ EPD: Generic	✓	✓ HPD	✓ ⁵			HPD Disclosure ¹¹		✓	✓ ⁵		✓ HPD	
Timberline® HDZ™ RS Shingles	✓ (Select colors) ³	✓ Tile 24" ¹⁴ (HD ⁹ Reflector Series)		✓ EPD: Product-Specific	✓	✓ HPD	✓ ⁵			HPD Disclosure ¹¹		✓	✓ ⁵		✓ HPD	
Timberline® HDZ ² Shingles				✓ EPD: Product-Specific		✓ HPD									✓ HPD	

07 51 13 BUILT-UP ASPHALT ROOFING — LOW-SLOPE ASPHALTIC

Built-Up Asphalt Roofing Membrane: Hot Asphalt	✓ (Select colors) ¹	✓ (Select colors)										✓				
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07 13 52 MODIFIED BITUMINOUS SHEET WATERPROOFING

RUBEROID® Torch Smooth Membrane												✓				
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07 52 00 MODIFIED BITUMINOUS MEMBRANE ROOFING

APP-Modified Bitumen Roofing Membrane: TorchApplied	✓ (White)	✓ (Select products)		✓ EPD: Generic								✓				
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07 56 00 LIQUID-APPLIED ROOFING — ROOF COATINGS

Premium Acrylic HydroStop® Top Coat (formerly HydroStop® PremiumCoat® Finish Coat)	✓ (Select colors) ¹	✓ Tile 24" ¹⁴ (White & Cotton)		✓ EPD: Product-specific Type III		✓ HPD				HPD Disclosure ¹¹		✓			✓ HPD	
HydroStop® System, consisting of GAF Premium Acrylic HydroStop® Top Coat, GAF Premium Acrylic HydroStop® Base Coat, and GAF Premium Fabric				✓ EPD: Product-specific Type III												

48 14 13 SOLAR ENERGY COLLECTORS

Solar Roofing Program	✓	✓ ⁷	✓									✓				
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32 12 16 ASPHALT PAVING

StreetBond® SB150 Pavement Coating	✓ (Select colors) ¹	✓				✓ HPD	✓ ⁵			HPD Disclosure ¹¹		✓	✓ ⁸		✓ HPD	
Durashield Pavement Coating	✓ (Select colors) ²	✓				✓ HPD				HPD Disclosure ¹¹					✓ HPD	

1. LEED® — an acronym for Leadership in Energy and Environmental Design™— is a registered trademark of the U.S. Green Building Council®. USGBC® does not review, certify or endorse third-party products or services. USGBC® and the related logo are trademarks owned by the U.S. Green Building Council and are used with permission.

2. For a complete listing of GAF roofing and pavement coating products and submittal documents for LEED® projects, visit gaf.com/leed or transparencycatalog.com/company/gaf. Also download the **GAF Green Building Playbook: Using GAF Products on LEED® v4 Projects at gaf.com/greenarchitects**.

3. Additional GAF roofing and/or pavement coating colors having a lower SR or SR value respectively than the LEED® credit minimum may still contribute to SSc5 credit achievement using the weighted average calculation path. Refer to the GAF Green Building Playbook or LEED® Reference Guide under the SSc5: Heat Island Reduction credit for specifics. The SSc5 LEED® credit form can also be sourced to run sample SR or SR scenarios using the weighted average calculation path.

4. Exterior well-applied Adhesives and Sealants and exterior materials are exempt from LEED® v4 EAc2: Low-Emitting Materials credit requirements for the General Emissions Evaluation and VOC limits for Living Building Challenge™ (LBC) Imperative 08 for CDPH SM v1 1:2010 compliance, and for Green Glazes Indoor Environment 3.7.2.1 VOCs: USGBC definition (and adopted by LBC). The building interior is defined as everything within the waterproofing membrane. The building exterior is defined as everything outside and inclusive of the primary and secondary weatherproofing system, such as waterproofing membranes and air- and water-resistive barrier materials. Note: The exception is for LEED® for Healthcare and LEED® for Schools projects, which do have VOC requirements for well-applied exterior materials. For LBC projects, all well-applied Adhesives and Sealants have VOC content available on gaf.com/economics.com. Imperative 10 – Red List also has exterior VOC requirements addressed in Footnote 10.

5. Asphalt shingle recycling programs vary by region. Visit gaf.com/greenarchitects for our "Find an Asphalt Shingle Recycler" map or visit www.ShingleRecycling.org.

6. This referenced product or system may employ hot asphalt in the installation process. Note that if pursuing the EAc2: Low-Emitting Materials credit, hot-mopped asphalt for LEED® for Healthcare and LEED® for Schools is prohibited.

7. Renewable energy generated onsite contributes to achieving EAc2: Optimize Energy Performance. The Prerequisite, EAp2: Minimum Energy Performance, must be achieved without accounting for onsite renewable energy.

8. StreetBond® SB150 Pavement Coating is fully recyclable with the asphalt.

9. EnergyGuard® Polyiso and/or non-adhered EverGuard® TPO and PVC membranes are recyclable only where appropriate recycling facilities are available. Structurally sound EnergyGuard® Polyiso may be reused. **Note:** Adhered membranes are not recyclable at this time.

10. GAF's Resilient Red List Approved EverGuard® WB 181 Bonding adhesive has VOC content of 8 g/L, which meets LBC VOC limits of 250 g/L based upon SCAQMD Rule #1168 for Singlyply Roof Membrane Adhesives.

11. Several StreetBond® SB150 colors meet the requirements for the LEED v4.1 Heat Island Reduction Credit. For more information on specific colorants, visit gaf.com/commercial/roofing/contact-commercial to connect with the coatings customer service team.

12. Recycled content for EverGuard® TPO and EverGuard Extreme® TPO is available on gaf.com/economics.com.

13. HPD Disclosure signifies that an HPD is available for Red List chemical assessment purposes by LBC project teams.

14. Can be used to comply with 2016 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations.

15. Declare Labels count as double their value for this imperative.

Note: Living Building Challenge™ is a trademark of the International Living Future Institute.

Note: For LEED® Online documentation purposes, GAF products listed are considered "Enclosure" and not "Structural."

FOR SPECIFIC PRODUCT DETAILS AND TO LOCATE THE REQUIRED DOCUMENTATION FOR LEED® V4, LIVING BUILDING CHALLENGE™, AND THE WELL BUILDING STANDARD™, VISIT: GAF.COM/GREENARCHITECTS