



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 for professionals/resources/architects-and-specifier-resources teams for the most up-to-date information.

Rating System and Version	LEED® v4 FOR BUILDING DESIGN AND CONSTRUCTION: NEW CONSTRUCTION								LIVING BUILDING CHALLENGE™ v4					WELL BUILDING CERTIFICATION (WELL V2)			
Credit Category	Sustainable Sites		Energy and Atmosphere			Materials and Resources			Indoor Environmental Quality	Health and Happiness Petal					Materials		
	SSc5	EAp2/EAc2	EAc5	MRC2	MRC3	MRC4	MRC5	EQc2	I-10	I-13	I-14	I-15	I-16	X06	X07	X08	
Credit Description	Heat Island Reduction	Min/Optimize Energy Performance	Renewable Energy	Environmental Product Declarations (EPDs)	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		✓		✓	✓	✓	✓	GREENGUARD Gold	GREENGUARD Gold			✓	✓	GREENGUARD Gold (CDPH Standard Method v1.2)	HPD or Declare		
EnergyGuard™ NH Polyiso Insulation		✓		✓	✓	HPD or Declare RLA	✓	GREENGUARD Gold	GREENGUARD Gold	Declare RLA	Declare RLA	Declare counts double	✓	GREENGUARD Gold (CDPH Standard Method v1.2)	Declare		
EnergyGuard™ NH Ultra Polyiso Insulation		✓			✓	Declare RLA	✓	GREENGUARD Gold	GREENGUARD Gold	Declare RLA	Declare RLA	Declare counts double	✓	GREENGUARD Gold (CDPH Standard Method v1.2)	Declare		
EnergyGuard™ NH Barrier Polyiso Insulation		✓			✓	HPD or Declare RLA	✓	GREENGUARD Gold	GREENGUARD Gold	Declare RLA	Declare RLA	Declare counts double	✓	GREENGUARD Gold (CDPH Standard Method v1.2)	HPD or Declare		
EnergyGuard™ NH HD Polyiso Insulation		✓			✓	Declare RLF	✓	GREENGUARD Gold	GREENGUARD Gold	Declare RLF	Declare RLF	Declare counts double	✓	GREENGUARD Gold (CDPH Standard Method v1.2)	Declare RLF	Declare RLF	
EnergyGuard™ NH HD PLUS Polyiso Insulation		✓			✓	Declare RLF	✓	GREENGUARD Gold	GREENGUARD Gold	Declare RLA	Declare RLA	Declare counts double	✓	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)	✓ Title 24 ¹⁴ (White)		✓ EPD: Product-specific Type III	✓	HPD or Declare RLA	✓	Exterior (Exempt)	Not Applicable (Exterior)	✓ Declare RLA	✓ Declare RLA	✓ Declare counts double	✓		HPD or Declare	Declare RLA	
EverGuard® TPO 45-80 mil Smooth	✓ (4 Standard colors, Gray excluded) ¹⁵	✓ Title 24 ¹⁴ (3 colors)		✓ EPD: Product-specific Type III	✓	HPD or Declare RLF	✓	Exterior (Exempt)	Not Applicable (Exterior)	✓ Declare RLF	✓ Declare RLF	✓ Declare counts double	✓		HPD or Declare	Declare RLF	
Resilient Red List Approved Adhered TPO Roofing System	✓ (White & Tan, Gray excluded)	✓ Title 24 ¹⁴ (White)		✓	✓	Declare RLA	✓	Exterior (Exempt)	Not Applicable (Exterior)	✓ Declare RLA (adhesive: VOC compliance)	✓ Declare RLA	✓ Declare counts double	✓		Declare		
TPO Single-Ply Roofing Membrane: Mechanically Fastened	✓ (4 Standard colors, Gray excluded) ¹⁵	✓ Title 24 ¹⁴ (3 colors)		✓ EPD: Generic	✓		✓	Exterior (Exempt)	Not Applicable (Exterior)			✓	✓				
07 54 19 PVC MEMBRANE ROOFING																	
EverGuard® PVC Smooth 50-80 mil	✓ (White)	✓ Title 24 ¹⁴ (White)		✓ EPD: Product-specific Type III	✓		✓	Exterior (Exempt)	Not Applicable (Exterior)			✓	✓				
ADHESIVES, PRIMERS, CLEANERS, FASTENERS																	
Drill-Tec™ Fasteners					✓	HPD	✓	Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓	✓		HPD		
EverGuard® TPO CleanWeld™ Conditioner						HPD		Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓			HPD		
EverGuard® TPO Seam Cleaner						HPD		Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓			HPD		
EverGuard® TPO Low-VOC Bonding Adhesive						HPD		See footnote 4	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓			HPD		
07 72 73 VEGETATED ROOF SYSTEMS																	
LiveRoof® System GAF Vegetative Roofing	✓	✓			✓		✓		Not Applicable (Exterior)			✓	✓				
07 31 13 ASPHALT SHINGLES																	
Asphalt Shingle Roofing System: Fastened	✓ (Select colors)	✓ Title 24 ¹⁴ (Select colors)		✓ EPD: Generic	✓		✓	Exterior (Exempt)	Not Applicable (Exterior)			✓	✓				
Timberline® CS Shingles	✓ (Standard colors)	✓ Title 24 ¹⁴ (Cool Series)		✓ EPD: Generic	✓	HPD	✓	Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓	✓		HPD		
Timberline® HDZ™ RS Shingles	✓ (Select colors)	✓ Title 24 ¹⁴ (HDZ Reflective Series)		✓ EPD: Product Specific	✓	HPD	✓	Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓	✓		HPD		
Timberline HDZ® Shingles				✓ EPD: Product Specific		HPD		Exterior (Exempt)							HPD		
07 51 13 BUILT-UP ASPHALT ROOFING — LOW-SLOPE ASPHALTIC																	
GAFGLAS® EnergyCap™ Mineral-Surfaced Cap Sheet	✓ (White)	✓ (White)		✓ EPD: Generic	✓	HPD		Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓			HPD		
Built-Up Asphalt Roofing Membrane: Hot Asphalt	✓ (Select colors)	✓ (Select colors)		✓ EPD: Generic	✓ (Select products)			Exterior (Exempt)	Not Applicable (Exterior)			✓					
07 13 52 MODIFIED BITUMINOUS SHEET WATERPROOFING																	
RUBEROID® Torch Smooth Membrane					✓	HPD		Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓			HPD		
07 52 00 MODIFIED BITUMINOUS MEMBRANE ROOFING																	
APP-Modified Bitumen Roofing Membrane: Torch-Applied	✓ (White)	✓ (Select products)		✓ EPD: Generic	✓ (Select products)			Exterior (Exempt)	Not Applicable (Exterior)			✓					
RUBEROID® Mop Granule	✓ (White)	✓ (White)				HPD		Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓			HPD		
SBS-Modified Bitumen Roofing Membrane: Cold-Adhered	✓ (White)	✓ (White)		✓ EPD: Generic	✓ (Select products)			Exterior (Exempt)	Not Applicable (Exterior)			✓					
SBS-Modified Bitumen Roofing Membrane: Hot Asphalt	✓ (White)	✓ (White)		✓ EPD: Generic	✓ (Select products)			Exterior (Exempt)	Not Applicable (Exterior)			✓					
SBS-Modified Bitumen Roofing Membrane: Torch-Applied	✓ (White)	✓ (White)		✓ EPD: Generic	✓ (Select products)			Exterior (Exempt)	Not Applicable (Exterior)			✓					
07 56 00 LIQUID-APPLIED ROOFING — ROOF COATINGS																	
Premium Acrylic HydroStop® Top Coat (formerly HydroStop® PremiumCoat® Finish Coat)	✓ (Select colors)	✓ Title 24 ¹⁴ (White & Cotton)				HPD		Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓			HPD		
48 14 13 SOLAR ENERGY COLLECTORS																	
Solar Roofing Program	✓	✓	✓					Exterior (Exempt)	Not Applicable (Exterior)			✓					
32 12 16 ASPHALT PAVING																	
StreetBond® SB150 Pavement Coating	✓ (All SB150 colors contribute) ¹⁵	✓				HPD	✓	Exterior (Exempt)	Not Applicable (Exterior)	HPD Disclosure ¹⁶		✓	✓		HPD		
LOW-VOC ADHESIVES																	
EverGuard® Low VOC TPO Bonding Adhesive						HPD		See footnote 4	Not Applicable (Exterior)			✓			HPD		

- 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.
- For a complete listing of GAF roofing and pavement coating products and submittal documents for LEED® projects, visit gaf.com or transparencycatalog.com/company/gaf. Also download the **GAF Green Building Playbook: Using GAF Products on LEED® v4 Projects at gaf.com/greenarchitects**.
- Additional GAF roofing and/or pavement coating colors having a lower SRI 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 SRI or SR scenarios using the weighted average calculation path.
- Exterior wet-applied Adhesives and Sealants and exterior materials are exempt from LEED® v4 EQc2: Low-Emitting Materials credit requirements for the General Emissions Evaluation and VOC limits for Living Building Challenge™ (LBC) Imperative D8 for CDPH SM v1.1-2010 compliance, and for Green Globes 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 wet-applied exterior materials. For LBC projects, all wet-applied Adhesives and Sealants have VOC content available on gaf.com. Imperative 10 - Red List also has exterior VOC requirements, addressed in Footnote 10.
- Asphalt shingle recycling programs vary by region. Visit gaf.com/greenarchitects for our "Find an Asphalt Shingle Recycler" map or visit www.ShingleRecycling.org.
- This referenced product or system may employ hot asphalt in the installation process. Note that if pursuing the EQc2: Low-Emitting Materials credit, hot-mapped asphalt for LEED® for Healthcare and LEED® for Schools is prohibited.
- 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.
- StreetBond® SB150 Pavement Coating is fully recyclable with the asphalt.
- 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.
- GAF's Resilient Red List Approved OlyBond500™ Roofing Adhesive Equipment-Free Canister System has VOC content of 25 g/L, which meets LBC VOC limits of 250 g/L based upon SCAQMD Rule #1168 for Single-ply Roof Membrane Adhesives.
- Several StreetBond® SB150 colorants 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.
- Recycled content for EverGuard® TPO and EverGuard Extreme® TPO, is available on gaf.com.
- HPD Disclosure signifies that an HPD is available for Red List chemical assessment purposes by LBC project teams.
- Can be used to comply with 2016 Title 24, Part 6, Cool Roof Requirements of the California Code of Regulations.
- Declare Labels count as double their value for this imperative.

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

Note: Green Globes is a registered trademark of Green Building Initiative, Inc.

Note: OlyBond500® is a registered trademark of OMG, Inc.

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