



# LEED for New Construction and Major Renovations (USGBC)

**Occupancy or Use:** Commercial

**Geography:** United States

**Applicable LP Products:**

- LP® OSB Sheathing
- LP® TopNotch® Sub-Flooring
- LP® TechShield® Radiant Barrier Sheathing
- LP® FlameBlock® Fire-Rated OSB Sheathing
- LP® SolidStart® I-Joists
- LP® SolidStart® LSL
- LP® SolidStart® LVL
- LP® SolidStart® Rim Board
- LP® SmartSide® Trim & Siding



Use of LP products or software may help you earn points within the LEED-NC/MR program. This information is for guidance only. Please refer to program for details and requirements. Since program details may change, verify the most current requirements with the latest version of the USGBC reference guide.

**These credits may apply directly to LP products:**

Materials and Resources (MR)			
Credit	Title	Description	Points
MR 5	Regional Materials (10%)	Applies to all LP products listed above. Eligibility depends on the distance between your building site and the LP mill where the product was manufactured. Call 888.820.0325 for assistance.	1
MR 5	Regional Materials (20%)		2
Indoor Environmental Quality (IEQ)			
Credit	Title	Description	Points
IEQ 4.4	Low-Emitting Materials-Composite Wood	Applies to all LP products listed above. LP products contain no added urea-formaldehyde.	1

**When used as part of a systematic approach, LP products may help you qualify for these credits:**

Energy and Atmosphere (EA)			
Credit	Title	Description	Points
EA 1	Optimize Energy Performance	Applies to LP TechShield Radiant Barrier and LP SolidStart I-Joists. LP TechShield helps block radiant heat from entering the structure. Deep depth LP SolidStart I-Joists (with holes cut in the web) can be used to help keep ducts in conditioned space.	1-19

**LP services, products, and software may help you qualify for these credits:**

Indoor Environmental Quality (IEQ)			
Credit	Title	Description	Points
IEQ 3.1	Construction IAQ Management Plan-During Construction	Many of LP's dealers offer Precision End Trimmed (PET) framing packs, which eliminate the need for cutting at the job site, thereby improving the comfort and well-being of the construction workers.	1
Innovation in Design (ID)			
Credit	Title	Description	Points
ID 1.1-5	Innovation in Design	Applies to all LP Products listed above. See FAQ section of this document for ideas.	Up to 5

## Frequently Asked Questions

**Q:** Does credit EQ4.1 for “Low-Emitting Materials” apply to LP products?

**A:** *The EQ4.1 “Low-Emitting Materials” applies only to field application of adhesives and sealants.*

**Q:** Can using LP products help me earn credits within the recycled materials section of LEED?

**A:** *LP does not use recycled wood and does not recommend its use in structural products.*

**Q:** How can I earn “Innovation in Design” points using LP products?

**A:** *Here are some potential ways you can earn Innovation in Design credits:*

1. *Use of Engineered Wood Products*
  - *LP’s products are made from wood - a renewable resource. The entire log is used in our manufacturing process, which helps conserve natural resources. Engineered wood manufacturing processes more efficiently utilize the amount of wood fiber per log than traditional sawmill practices.*
  - *Carbon Sequestration- Much of the strength in wood fiber comes from carbon that is extracted from the air. Every ton of wood fiber used in a building represents approximately 840 lbs (50% by dry weight) of carbon sequestered from the atmosphere.*
2. *Value Engineering*
  - *Both LP Solutions (LP’s whole-house design software) and Wood-E Design (software for individual member sizing) provide a range of tools the designer can use to value engineer each and every member in the structure.*
3. *Reduction of Waste*
  - *The consistency of engineered products helps reduce material waste and saves time and money throughout the construction process.*
  - *Some LP products, such as LP SolidStart I-Joists and LP SmartSide siding, are available in longer lengths which can help reduce the amount of material needed.*
  - *LP SmartSide trim and siding products are extremely durable, which means less material lost to breakage.*
  - *Project cut-packs are available for LP SolidStart products. Cut-packs are made up of specific pieces that are labeled and cut-to-length in a manner that produces minimal jobsite end trim and results in a reduction in waste.*

**Q:** Are LP products FSC® certified?

**A:** *LP participates in SFI® rather than FSC. We use SFI certified forest management and fiber sourcing systems to help ensure our wood comes from well-managed forests. Our LVL, LSL, and I-Joists are certified to the SFI chain-of-custody standard.*

## Summary - LEED New Construction and Major Renovations

Product	% Salvaged	% Recycled Post-Consumer	Regional Material Max. Dist	% FSC Certified	Urea-formaldehyde (Y/N)	Required for ALL field-applied adhesives, sealants, paints & coatings identified in the specifications.		
						VOC content (grams per liter)	LEED VOC limit	Documentation
LP® OSB	See Note 1	0%	See Note 2	0%	N	<b>This LEED Limit pertains to field-applied adhesives, sealants, paints, and coatings only and does not apply to LP products.</b>		
LP® TopNotch®	See Note 1	0%	See Note 2	0%	N			
LP® TechShield®	See Note 1	0%	See Note 2	0%	N			
LP® SolidStart® I-Joists	See Note 1	0%	See Note 2	0%	N			
LP® SolidStart® LSL	See Note 1	0%	See Note 2	0%	N			
LP® SolidStart® LVL	See Note 1	0%	See Note 2	0%	N			
LP® SolidStart® Rim Board	See Note 1	0%	See Note 2	0%	N			
LP® SmartSide® Trim & Siding	See Note 1	0%	See Note 2	0%	N			
LP® FlameBlock®	See Note 1	0%	See Note 2	0%	N			

Note 1: The use of salvaged material for structural products is not recommended by LP for safety and reliability reasons.

Note 2: Due to resourcing and production schedule variance, please contact your LP sales representative or call 888.820.0325 for help in determining the distance between your building site and the LP mill where the product was manufactured.