

# GREEN BRIEF

LP® TechShield® Radiant Barrier Sheathing helps block radiant heat in the roof from entering the attic. The result: LP TechShield can reduce monthly air conditioning costs up to 17%. It installs just like regular roof sheathing, with no additional labor costs. And unlike other radiant barriers, LP TechShield features VaporVents™ technology, which helps the panel dry quickly if it's exposed to moisture during the construction process. We've been making LP TechShield for more than a decade. It was the first radiant barrier panel on the market and is still the brand that builders use and prefer the most.

## LP TechShield & the Environment

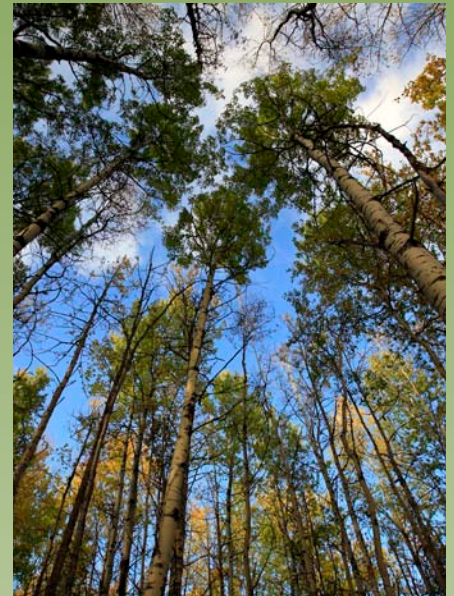
### Manufacturing

- LP TechShield is made from wood – a renewable, natural resource.
- Our wood procurement process targets small, fast growing trees that can be replenished more quickly than larger, older trees.
- We use SFI® certified forest management and fiber sourcing systems to help ensure that our wood comes from well-managed forests.
- The entire log is used in our manufacturing process. All wood waste is repurposed or used to help fuel our mills.
- We only use low-emitting, safe resins in the manufacture of LP TechShield, and do not add any urea-formaldehyde to the product.



### Product Performance

- LP TechShield is a structural product that can help reduce energy consumption.
- As a result of using LP TechShield, you may be able to reduce the tonnage of your HVAC system.
- LP TechShield is a qualified ENERGY STAR® product.
- Radiant barrier is a cost effective solution for helping meet building code requirements.
- LP TechShield may help you achieve certification points in a number of leading green building programs.



## Conserve. Create. Renew.

At LP, our approach to the environment can be summed up with three words: conserve, create and renew. As a leader in the building products industry, we view it as our responsibility to be good stewards of the environment and to develop and manufacture products that help builders build better homes.

To us, "green" is about conserving natural resources, creating products that help builders reduce waste, and finding ways to utilize renewable energy sources and reduce waste throughout our operations.

To learn more, please visit [www.lpcorp.com](http://www.lpcorp.com) or call 888.820.0325.



## GREEN BUILDING CERTIFICATION PROGRAMS

The use of LP TechShield may help you qualify for points in leading green building programs. The information below was compiled from relevant sections within each program and is for guidance only. This resource is designed to help you quickly identify areas where you could potentially earn points. Since program requirements vary and details may change, verify qualification criteria with each individual program. For specific questions related to LP products, please call 888.820.0325.


## Single Family United States

PROGRAM	CATEGORY	SECTION	ITEM	DESCRIPTION	POINTS
	Resource Efficiency	Renewable Materials; Biobased Products	606.1.b	Engineered wood	3 to 6
	Resource Efficiency	Renewable Materials; Certified Wood	606.2.e	Sustainable Forestry Initiative (SFI)	3 to 4
	Resource Efficiency	Renewable Materials	606.3	Materials used for major components are manufactured using renewable energy.	2
	Resource Efficiency	Renewable Materials; Resource Efficient Materials	607.1	Engineered wood	3
	Resource Efficiency	Indigenous Materials	608.1	Components used for major elements are extracted, processed, and manufactured within 500 miles.	2
	Energy Efficiency	Additional Practices	704.3.1.3	Radiant barrier is installed in climate zones 1, 2, or 3.	1
	Indoor Environmental Quality	Pollutant Source Control	901.4 (5)	Composite wood panel products contain no added urea formaldehyde.	4
	Resources	Structural Frame & Building Envelope; Use Engineered Lumber	D.3.f	Oriented strand board for wall and roof sheathing	1
	Energy	Building Performance	J.2	Building performance exceeds Title 24.	≥30
	Innovation	Other	N.3		up to 4
	Energy and Atmosphere	Optimize Energy Performance	EA 1.2		up to 34
 LEED for Homes	Innovation and Design Process	Innovative Design	ID 3.1, ID 3.2, ID 3.3, ID 3.4		up to 4
	Materials & Resources	Environmentally Preferable Products	MR 2.2	Local production. Use products that were extracted, processed, and manufactured within 500 miles of the home.	1/2 pt
 EarthCraft House™	Resource Efficiency	Local, Recycled, and/or Natural Content Materials	RE 3	Use building materials extracted, processed, and manufactured less than 500 miles of site.	3
	Innovation	Project Specific Innovation Points	IN 1.3		TBD
	Energy Efficient Building Envelope & Systems	Roof	n/a	Attic radiant barrier	2

## GREEN BUILDING CERTIFICATION PROGRAMS

The use of LP TechShield may help you qualify for points in leading green building programs. The information below was compiled from relevant sections within each program and is for guidance only. This resource is designed to help you quickly identify areas where you could potentially earn points. Since program requirements vary and details may change, verify qualification criteria with each individual program. For specific questions related to LP products, please call 888.820.0325.

# Multi-Family and Commercial United States

PROGRAM	CATEGORY	SECTION	ITEM	DESCRIPTION	POINTS
	Resource Efficiency	Renewable Materials; Biobased Products	606.1.b	Engineered wood	3 to 6
	Resource Efficiency	Renewable Materials; Certified Wood	606.2.e	Sustainable Forestry Initiative (SFI)	3 to 4
	Resource Efficiency	Renewable Materials	606.3	Materials used for major components are manufactured using renewable energy.	2
	Resource Efficiency	Renewable Materials; Resource Efficient Materials	607.1	Engineered wood	3
	Resource Efficiency	Indigenous Materials	608.1	Components used for major elements are extracted, processed, and manufactured within 500 miles.	2
	Energy Efficiency	Additional Practices	704.3.1.3	Radiant barrier is installed in climate zones 1, 2, or 3.	1
	Indoor Environmental Quality	Pollutant Source Control	901.4 (5)	Composite wood panel products contain no added urea formaldehyde.	4
	Resources	Foundation, Structural Frame & Building Envelope; Use Engineered Lumber	D.4.f	Oriented strand board for wall and roof sheathing	1
	Energy	Building Performance	J.1.a	Building performance exceeds Title 24.	30+
	Innovation	Other	N.1		up to 4

## GREEN BUILDING CERTIFICATION PROGRAMS

The use of LP TechShield may help you qualify for points in leading green building programs. The information below was compiled from relevant sections within each program and is for guidance only. This resource is designed to help you quickly identify areas where you could potentially earn points. Since program requirements vary and details may change, verify qualification criteria with each individual program. For specific questions related to LP products, please call 888.820.0325.

## Multi-Family and Commercial United States *(continued)*

PROGRAM	CATEGORY	SECTION	ITEM	DESCRIPTION	POINTS
 <b>LEED for Homes</b>	Energy and Atmosphere	Optimize Energy Performance	EA 1.2		up to 34
	Innovation and Design Process	Innovative Design	ID 3.1, ID 3.2, ID 3.3, ID 3.4		up to 4
	Materials & Resources	Environmentally Preferable Products	MR 2.2	Local production. Use products that were extracted, processed, and manufactured within 500 miles of the home.	1/2 pt
 <b>EarthCraft House Multifamily™</b>	Energy Efficient Building Envelopes and Systems	Roof	n/a	Attic side radiant barrier	2
	Bonus Points	n/a	n/a	Use building materials extracted, processed, and manufactured within 500 miles of site.	1/2 pt.
 <b>LEED 2009 for New Construction and Major Renovations</b>	Materials & Resources	Regional Materials	MR 5	Use building materials or products that have been extracted, harvested or recovered, as well as manufactured, within 500 miles of the project site.	1 to 2
	Indoor Environmental Quality	Low Emitting Materials: Composite Wood	IEQ 4.4	No added urea-formaldehyde	1
	Innovation in Design	Innovation in Design	ID 1.1, ID 1.2, ID 1.3, ID 1.4, ID 1.5		1 to 5
	Energy and Atmosphere	Optimize Energy Performance	EA 1		1 to 19

To learn more about LP's environmental approach and to find out why the nation's leading builders choose engineered wood materials from LP Building Products, contact your LP sales representative, visit [www.lpcorp.com](http://www.lpcorp.com), or call 888.820.0325.

**Cal. Prop 65 Warning: Use of this product may result in exposure to wood dust, known to the State of California to cause cancer.**