



# GREEN BRIEF

LP<sup>®</sup> SolidStart<sup>®</sup> LSL can help reduce labor and material costs, as well as the risk of callbacks. It can be used for a variety of applications, including roof and floor beams, door and window headers, wall framing, truss chords, rim board, and stair stringers. LP Solidstart LSL installs like traditional lumber, but is straighter, stronger, and can handle longer spans. LP SolidStart offers grades of up to 1.75E, the industry's highest grade of LSL, and it is backed by a Lifetime Limited Warranty.

## LP SolidStart LSL & the Environment

### Manufacturing

- LP SolidStart LSL 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<sup>®</sup> certified forest management and fiber sourcing systems to help ensure that our wood comes from well-managed forests. LP SolidStart LSL is certified to the SFI chain-of-custody standard.
- 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 SolidStart LSL, and do not add any urea-formaldehyde.



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### Product Performance

- Available in grades up to 1.75E, LP SolidStart LSL allows for longer spans. This reduces the number of pieces needed and results in more efficient use of natural resources.
- LP SolidStart LSL 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 SolidStart LSL 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          | Quality of Construction Materials and Waste                           | 601.2                               | Advanced framing techniques optimize material usage.  | 3        |
|   | Resource Efficiency          | Quality of Construction Materials and Waste                           | 601.4                               | Detailed framing or structural plans  | 4        |
|   | Resource Efficiency          | Quality of Construction Materials and Waste                           | 601.5 (1)<br>601.5 (2)<br>601.5 (3) | 90% of system is pre-cut.   | up to 12 |
|   | 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        |
|   | Indoor Environmental Quality | Pollutant Source Control  | 901.4 (6)                           | Low-emitting products   | 4        |
|  | Resources                    | Structural Frame & Building Envelope; Apply Optimal Value Engineering | D.1.a                               | Place joists, rafters, and studs at 24OC.   | 3        |
|   | Resources                    | Structural Frame & Building Envelope; Apply Optimal Value Engineering | D.1.b                               | Door and window headers are sized for load.   | 1        |
|   | Resources                    | Structural Frame & Building Envelope; Use engineered lumber           | D.3.a                               | Engineered beams and headers  | 1        |
|   | Resources                    | Structural Frame & Building Envelope; Use engineered lumber           | D.3.c                               | Engineered lumber for roof rafters  | 1        |
|   | Resources                    | Structural Frame & Building Envelope; Use engineered lumber           | D.3.d                               | Engineered studs for vertical applications  | 1        |
|   | Innovation                   | Other   |                                     | N.3   |          |

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# Single Family United States (continued)

| PROGRAM   | CATEGORY                      | SECTION   | ITEM                                    | DESCRIPTION   | POINTS  |
|---|-------------------------------|---|---|---|---------|
| <br><b>LEED for Homes</b>      | Innovation and Design Process | Innovative Design                                 | ID 3.1,<br>ID 3.2,<br>ID 3.3,<br>ID 3.4 |   | up to 4 |
|   | Materials & Resources         | Material Efficient Framing                        | MR 1.2,<br>MR 1.3,<br>MR 1.4            | Detailed Framing Documents, Detailed Cut List and Lumber Order, and Framing Efficiencies                      | up to 5 |
|   | 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  |
|   | Waste Management              | Construction Waste Management                     | MR 3.2                                  |   | up to 3 |
| <br><b>EarthCraft House™</b> | Resource Efficiency           | Resource Efficient Design                         | RE 1                                    |   | TBD     |
|   | Resource Efficiency           | Advanced Framing Materials                        | RE 2.2                                  | Engineered floor framing  | 1       |
|   | Resource Efficiency           | Advanced Framing Materials                        | RE 2.3                                  | Engineered wall framing; more than 90% of studs   | 1       |
|   | Resource Efficiency           | Advanced Framing Materials                        | RE 2.7                                  | All structural headers are engineered wood.   | 1       |
|   | Resource Efficiency           | Advanced Framing Materials                        | RE 2.8                                  | All beams are engineered wood.  | 1       |
|   | Resource Efficiency           | Advanced Framing Materials                        | RE 2.9                                  | Engineered roof framing   | 1       |
|   | Resource Efficiency           | Local, Recycled, and/or Natural Content Materials | RE3                                     | Use materials extracted, processed and manufactured within 500 miles of site.                                 | 3       |
|   | Innovation                    | Project Specific Innovation Points                | IN 1.3                                  |   | TBD     |

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## Single Family Canada

| PROGRAM  | CATEGORY                      | SECTION  | ITEM                                    | DESCRIPTION  | POINTS  |
|--|-------------------------------|--|---|--|---------|
|   | Innovation and Design Process | Innovative Design  | ID 3.1,<br>ID 3.2,<br>ID 3.3,<br>ID 3.4 |  | up to 4 |
|  | Materials & Resources         | Material Efficient Framing   | MR 1.2,<br>MR 1.3,<br>MR 1.4            | Detailed Framing Documents<br>Detailed Cut List and Lumber<br>Order, and Framing Efficiencies  | up to 5 |
|  | Materials & Resources         | Environmentally Preferable Products  | MR 2.2                                  | Local production. Use products that were extracted, processed, and manufactured within 800 km (500 miles) of the home if moved by truck or within 2400 km (1500 miles) if moved by rail. | 1/2 pt  |
|  | Waste Management              | Construction Waste Management  | MR 3.2                                  |  | up to 3 |
|  | Building Materials            | Exterior and interior wall stud spacing  | 2-4                                     |  | 1 to 2  |
|  | Building Materials            | Use manufactured wood products for floor systems from sustainably harvested sources                        | 2-18                                    | Sustainable Forestry Initiative (SFI)  | 1 to 2  |
|  | Building Materials            | Use engineered product for load bearing beams and columns from sustainably harvested sources               | 2-19                                    | Sustainable Forestry Initiative (SFI)  | 1 to 2  |
|  | Building Materials            | Use engineered product for all exterior window and door headers  | 2-20                                    |  | 1       |
|  | Building Materials            | Engineered plate material used for all framing plates  | 2-21                                    |  | 1       |
|  | Building Materials            | Use engineered stud material for 10% of structural stud wall framing                                       | 2-22                                    |  | 1       |
|  | Business Practice             | Products used are manufactured within 800km  | 8-1                                     |  | 1 to 5  |
|  | Business Practice             | Manufacturer has written environmental policy that includes office recycling and energy efficient lighting | 8-6                                     |  | 1       |

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# Multi-Family and Commercial United States

| PROGRAM   | CATEGORY                     | SECTION  | ITEM                                | DESCRIPTION   | POINTS   |
|---|------------------------------|--|-------------------------------------|---|----------|
|    | Resource Efficiency          | Quality of Construction<br>Materials and Waste   | 601.2                               | Advanced framing techniques optimize material usage.  | 3        |
|   | Resource Efficiency          | Quality of Construction<br>Materials and Waste   | 601.4                               | Detailed framing or structural plans  | 4        |
|   | Resource Efficiency          | Quality of Construction<br>Materials and Waste   | 601.5 (1)<br>601.5 (2)<br>601.5 (3) | 90% of system is pre-cut.   | up to 12 |
|   | Resource Efficiency          | Renewable Materials;<br>Biobased Products  | 606.1.b                             | Engineered wood   | 3 to 6   |
|   | Resource Efficiency          | Renewable Materials;<br>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;<br>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        |
|   | Indoor Environmental Quality | Pollutant Source Control   | 901.4 (6)                           | Low-emitting products   | 4        |
|  | Resources                    | Foundation, Structural Frame &<br>Building Envelope; Construction<br>Material Efficiencies | D.3.c.i.                            | Studs at 24OC   | 3        |
|   | Resources                    | Foundation, Structural Frame &<br>Building Envelope; Construction<br>Material Efficiencies | D.3.c.ii                            | Door and window headers sized for load  | 1        |
|   | Resources                    | Foundation, Structural Frame &<br>Building Envelope;<br>Use Engineered Lumber              | D.4.a                               | Engineered beams and headers  | 1        |
|   | Resources                    | Foundation, Structural Frame &<br>Building Envelope;<br>Use Engineered Lumber              | D.4.c                               | Engineered lumber for roof rafters  | 1        |
|   | Resources                    | Foundation, Structural Frame &<br>Building Envelope;<br>Use Engineered Lumber              | D.4.d                               | Engineered studs for vertical applications  | 1        |
|   | Innovation                   | Other  |                                     | N.1   |          |

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

| PROGRAM  | CATEGORY                              | SECTION  | ITEM                                   | DESCRIPTION   | POINTS  |
|--|---------------------------------------|--|--|---|---------|
| <br><b>EarthCraft House Multifamily™</b>                          | Resource Efficient Building Materials | Advanced Products                                      | n/a                                    | All beams are engineered wood.  | 1       |
|  | Resource Efficient Building Materials | Advanced Products                                      | n/a                                    | All headers are engineered wood.  | 1       |
|  | Resource Efficient Building Materials | Advanced Products                                      | n/a                                    | Engineered wall framing (50% of studs)  | 1       |
|  | Resource Efficient Building Materials | Advanced Products                                      | n/a                                    | Engineered wall framing (80% of studs)  | 2       |
|  | Bonus Points                          | n/a  | n/a                                    | Use building materials extracted, processed, and manufactured within 500 miles of site.   | 1/2 pt. |
|  | Resource Efficient Design             | n/a  | n/a                                    |   | TBD     |
| <br><b>LEED for Homes</b>  | Innovation and Design Process         | Innovative Design                                      | ID 3.1, ID 3.2, ID 3.3, ID 3.4         |   | up to 4 |
|  | Materials & Resources                 | Material Efficient Framing                             | MR 1.2, MR 1.3, MR 1.4                 | Detailed Framing Documents, Detailed Cut List and Lumber Order, and Framing Efficiencies  | up to 5 |
|  | 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  |
|  | Waste Management                      | Construction Waste Management                          | MR 3.2                                 |   | up to 3 |
| <br><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          | Construction IAQ Management Plan - During Construction | IEQ 3                                  |   | 1       |
|  | 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  |

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## Multi-Family and Commercial Canada

| PROGRAM   | CATEGORY                      | SECTION  | ITEM                                   | DESCRIPTION  | POINTS  |
|---|-------------------------------|--|--|--|---------|
|    | Innovation and Design Process | Innovative Design                                      | ID 3.1, ID 3.2, ID 3.3, ID 3.4         |  | up to 4 |
|   | Materials & Resources         | Material Efficient Framing                             | MR 1.2, MR 1.3, MR 1.4                 | Detailed Framing Documents, Detailed Cut List and Lumber Order, and Framing Efficiencies.  | up to 5 |
|   | Materials & Resources         | Environmentally Preferable Products                    | MR 2.2                                 | Local production. Use products that were extracted, processed, and manufactured within 800 km (500 miles) of the home if moved by truck or within 2400 km (1500 miles) if moved by rail. | 1/2 pt  |
|   | Waste Management              | Construction Waste Management                          | MR 3.2                                 |  | up to 3 |
|  <p><b>LEED Canada for New Construction and Major Renovations 2009</b></p> | Materials & Resources         | Regional Materials                                     | MR 5                                   | Use products that have been extracted, harvested, recovered and processed within 800 km (500 miles) (2,400 km if shipped by rail or water) of the final manufacturing site.              | 1 to 2  |
|   | Indoor Environmental Quality  | Construction IAQ Management Plan - During Construction | IEQ 3                                  |  | 1       |
|   | 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  |

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| PROGRAM   | CATEGORY           | SECTION  | ITEM | DESCRIPTION                           | POINTS |
|---|--------------------|--|------|---------------------------------------|--------|
|  | Building Materials | Exterior and interior wall stud spacing  | 2-4  |                                       | 1 to 2 |
|   | Building Materials | Use manufactured wood products for floor systems from sustainably harvested sources                        | 2-18 | Sustainable Forestry Initiative (SFI) | 1 to 2 |
|   | Building Materials | Use engineered product for load bearing beams and columns from sustainably harvested sources               | 2-19 | Sustainable Forestry Initiative (SFI) | 1 to 2 |
|   | Building Materials | Use engineered product for all exterior window and door headers  | 2-20 |                                       | 1      |
|   | Building Materials | Engineered plate material used for all framing plates  | 2-21 |                                       | 1      |
|   | Building Materials | Use engineered stud material for 10% of structural stud wall framing                                       | 2-22 |                                       | 1      |
|   | Business Practice  | Products used are manufactured within 800km  | 8-1  |                                       | 1 to 5 |
|   | Business Practice  | Manufacturer has written environmental policy that includes office recycling and energy efficient lighting | 8-6  |                                       | 1      |

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.**