

DECLARATION OF PERFORMANCE

DoP-1555-01-01



Manufacturer Identification

Manufacturer	Manufacturing Facility
LP Building Products 414 Union Street, Suite 2000 NASHVILLE, TN 37219 – USA ewp.design@lpcorp.com	Louisiana-Pacific Corporation 240 New Station Road NEW LIMERICK, ME 04761 - USA (mill number: 1092)

Product Identification

Product Type	Product Grades	Intended Use	AVCP (*)
LP® SolidStart® LSL <i>Structural Laminated Strand Lumber (LSL)</i>	1.35E (LSL-Q-Lite) 1.55E (LSL-Q) 1.75E (LSL-G)	Load-bearing structural elements (such as beam, panel, lintel, purlin, stud, joist, sill, rim board,...) in dry covered service conditions.	1

(*) Assessment and Verification of Constancy of Performance system according to Annex V of regulation (EU) No 305/2011

(**) Batch identification: 9-digit number on package or mill number (see above) and manufacturing date on product itself

Notified Body Reference

Notified Body	Certificate or Assessment	Tasks performed for AVCP
CSTB 84, avenue Jean Jaurès 77447 MARNE-LA-VALLEE France	0679 – CPD – 0844 EC Certificate of Conformity from 26/02/2013	Initial inspection Initial Type Testing Continuous Surveillance Certification
CSTB 84, avenue Jean Jaurès 77447 MARNE-LA-VALLEE France	ETA-13/0038 European Technical Approval from 29/01/2013	

Declared Performance

The declared properties of the product are given in the table overleaf, based on the following European Assessment Document:

CUAP 03.04/13 “Structural Composite Lumber Products: Laminated strand Lumber (LSL) and Parallel Strand Lumber (PSL)”

Installation instructions and safety data sheets can be found on www.lpcorp.com.

The performance of the product identified is in conformity with the declared performance. This declaration of performance is issued under the sole responsibility of the manufacturer identified above.

For and on behalf of the manufacturer by:

04/29/2015

Neil Sherman
Senior Vice President and General Manager
Louisiana-Pacific Corporation



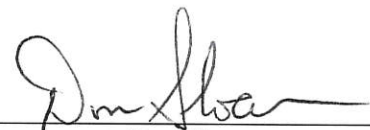
Essential Characteristics ^{1) 2) 6) 7)}		LP® SolidStart® LSL		
		1.35E <i>LSL-Q Lite</i>	1.55E <i>LSL-Q</i>	1.75E <i>LSL-G</i>
Bending strength				
Edgewise	N/mm ²	25.1 ³⁾	34.2	36.3
Size effect parameter s		0.15	0.15	0.15
Flatwise	N/mm ²	27.7	37.9	40.5
Tension strength				
Parallel to grain	N/mm ²	16.7 ⁴⁾	22.5	26.9
Perp. to grain, edgewise	N/mm ²	5.0	5.0	5.0
Perp. to grain, flatwise	N/mm ²	NPD	NPD	NPD
Compression strength				
Parallel to grain	N/mm ²	21.6	28.5	32.1
Perp. to grain, edgewise	N/mm ²	8.0	8.0	8.0
Perp. to grain, flatwise	N/mm ²	3.8	3.8	3.8
Shear strength				
Edgewise	N/mm ²	8.9	8.9	8.9
Flatwise	N/mm ²	2.2	2.2	2.2
Modulus of elasticity ⁵⁾				
Parallel to grain, edgewise (mean)	N/mm ²	9 300	10 600	12 000
Parallel to grain, edgewise (5%-fractile)	N/mm ²	7 900	9 000	10 200
Parallel to grain, flatwise (mean)	N/mm ²	9 300	10 600	12 000
Parallel to grain, flatwise (5%-fractile)	N/mm ²	7 900	9 000	10 200
Perp. to grain, edgewise (mean)	N/mm ²	NPD	NPD	NPD
Perp. to grain, flatwise (mean)	N/mm ²	NPD	NPD	NPD
Shear modulus		580	670	750
Reaction to fire class		D-s2, d0		
Release of formaldehyde class		E1 (≤ 0.020 mg/m ³)		
Density – mean	kg/m ³	670	710	740
Density – characteristic for design of connections	kg/m ³		430	

- 1) The use of LP® SolidStart® LSL shall be limited to conditions of Service Class 1 and 2 per EN 1995-1-1 (Eurocode 5).
- 2) The design factors k_{mod} , k_{def} , γ_M defined for LVL in EN 1995-1-1 or its relevant National Annex are applicable.
- 3) Characteristic bending resistance edge is declared at 300mm depth. For other depths, adjust resistance using the depth adjustment factor k_h defined in EN 1995-1-1 for LVL.
- 4) Characteristic tension resistance parallel to grain is declared at 3000mm length. For other lengths, adjust resistance using the length adjustment factor k_l defined in EN 1995-1-1 for LVL.
- 5) Declared values are local (true) Modulus of Elasticity, which do not include shear deflection contribution.
- 6) System effect factor k_{sys} from EN 1995-1-1, 6.7(2) can be applied to characteristic resistances.
- 7) Refer to ETA-13/0038 for additional information relative to physical properties of LP® SolidStart® LSL.



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