

# DECLARATION OF PERFORMANCE

DoP-1216-02-01



## Manufacturer Identification

Manufacturer	Manufacturing Facility
<b>LP Building Products</b> 414 Union Street, Suite 2000 NASHVILLE, TN 37219 – USA <a href="mailto:ewp.design@lpcorp.com">ewp.design@lpcorp.com</a>	<b>Louisiana-Pacific Corporation</b> 2706 Highway 421 North <b>WILMINGTON, NC 28401 – USA</b> (mill number: 1071)

## Product Identification

Product Type	Product Grades	Intended Use	AVCP (*)
<b>LP® SolidStart® LVL</b> <i>Southern Pine (SP) Structural Laminated Veneer Lumber (LVL)</i>	<b>1.9E (LVL-S-Lite)</b> <b>2.0E (LVL-S)</b> <b>2.1E (LVL-S-Plus)</b>	Load-bearing structural elements (such as beam, panel, lintel, purlin, stud, joist, sill, rim board,...) in dry covered service conditions.	<b>1</b>

(\*) 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
<b>CSTB</b> 84, avenue Jean Jaurès Champs-sur-Marne 77447 MARNE-LA-VALLEE France	<b>0679 – CPR – 0817</b> EC Certificate of Conformity from 27/09/2012	Initial inspection Initial Type Testing Continuous Surveillance Certification

## Declared Performance

The declared properties of the product are given in the table overleaf, based on the following Harmonised Technical Specification:

**EN 14374:2004 – Timber structures – Structural laminated veneer lumber - Requirements**

Installation instructions and safety data sheets can be found on [www.lpcorp.com](http://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		LP <sup>®</sup> SolidStart <sup>®</sup> LVL			
		1.9E <i>LVL-S-Lite</i>	2.0E <i>LVL-S</i>	2.1E <i>LVL-S-Plus</i>	
<b>Bending strength</b>					
Edgewise	N/mm <sup>2</sup>	38.4	42.8	49.3	
Size effect parameter <i>s</i>		0.15	0.15	0.15	
Flatwise	N/mm <sup>2</sup>	38.4	42.7	49.2	
<b>Tension strength</b>					
Parallel to grain	N/mm <sup>2</sup>	23.2	26.0	28.5	
Perp. to grain, edgewise	N/mm <sup>2</sup>	0.7	0.7	0.7	
Perp. to grain, flatwise	N/mm <sup>2</sup>	NPD	NPD	NPD	
<b>Compression strength</b>					
Parallel to grain	N/mm <sup>2</sup>	30.8	41.9	41.9	
Perp. to grain, edgewise	N/mm <sup>2</sup>	6.5	6.5	6.5	
Perp. to grain, flatwise	N/mm <sup>2</sup>	3.0	3.0	3.0	
<b>Shear strength</b>					
Edgewise	N/mm <sup>2</sup>	3.8	3.8	3.8	
Flatwise	N/mm <sup>2</sup>	2.1	2.1	2.1	
<b>Modulus of elasticity</b> <sup>1)</sup>					
Parallel to grain, edgewise (mean)	N/mm <sup>2</sup>	13 100	13 790	14 480	
Parallel to grain, edgewise (5%-fractile)	N/mm <sup>2</sup>	11 130	11 720	12 310	
Parallel to grain, flatwise (mean)	N/mm <sup>2</sup>	12 410	13 790	15 860	
Parallel to grain, flatwise (5%-fractile)	N/mm <sup>2</sup>	10 550	11 720	13 480	
Perp. to grain, edgewise (mean)	N/mm <sup>2</sup>	NPD	NPD	NPD	
Perp. to grain, flatwise (mean)	N/mm <sup>2</sup>	NPD	NPD	NPD	
<b>Shear modulus</b>		NPD	NPD	NPD	
<b>Reaction to fire class</b>			D-s1, d0		
<b>Release of formaldehyde class</b>			E1 ( ≤ 0.045 mg/m <sup>3</sup> )		
<b>Density – mean</b>	Southern Pine (SP) LVL	kg/m <sup>3</sup>	640	650	650
<b>Density – characteristic for design of connections</b>		kg/m <sup>3</sup>		420	
<b>Natural Durability</b>	Southern Pine (SP) LVL			4 – S	

<sup>1)</sup> Declared values are global (apparent) Modulus of Elasticity, which include shear deflection contribution



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