

EC Declaration of Conformity

DoC-1216-02



Manufacturer	LP Building Products 414 Union Street, suite 200, NASHVILLE, TN - 37219 – USA ewp.design@lpcorp.com
Manufacturing Facility	Louisiana Pacific Corporation 2706 Highway 421 North – WILMINGTON, NC – 28401 - USA
Product Identification	LP® SolidStart™ LVL <i>Southern Pine (SP) Structural Laminated Veneer Lumber (LVL)</i>
Product Grades	1.9E (LVL-S-Lite), 2.0E (LVL-S), 2.1E (LVL-S-Plus)
Product Identification	EN 14374:2004 <i>Timber structures – Structural laminated veneer lumber - Requirements</i>
Initial Type Testing	Details are contained in report No 1216-01 (rev3) “Initial Type Testing and Assessment per EN 14374 of LP® SolidStart™ LVL (1.3E x-lam, 1.9E, 2.0E & 2.1E)” dated 06/09/2012.
Declared Properties	The declared properties of the product are given in the table overleaf.
Factory Production Control	LP SolidStart LVL Quality Manual
Notified Body	CSTB 84, avenue Jean Jaurès - Champs-sur-Marne - 77447 MARNE-LA-VALLEE - France
EC Certificate of Conformity	0679 – CPD – 0817 from 27/09/2012

The signing legal authority declares that the abovementioned product meets the safety requirements of the Construction Products Directive 89/106/EEC and conforms to the abovementioned harmonized reference standard applied to assess conformity.

Legal authority:

01/11/2012

A handwritten signature in black ink, appearing to read 'Brian Luoma', written over a horizontal line.

Brian Luoma
Senior Vice President and General Manager
Louisiana-Pacific Corporation



Declared Mean and Characteristic Stiffness and Resistance values, and physical properties per EN 14374

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

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



Ben Midgette

Product Manager, Engineered Wood Products
Louisiana-Pacific Corporation



Brent Edwards

Quality Manager, Engineered Wood Products
Louisiana-Pacific Corporation