



**SOLIDSTART™**  
ENGINEERED WOOD PRODUCTS



# High Grade LP™ SolidStart™ LVL now comes in Concrete Formwork!

**PERFECT  
FOR YOUR  
NEXT  
PROJECT!**

- Smaller End Sections (Similar Spans)
- Lightweight with Chamfered Edges for Ease in Handling
- Quality Product Providing Consistent Performance

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*Good for you. Good for our forests.™*  
[www.sfiprogram.org](http://www.sfiprogram.org)

JOISTS													
Slab Thickness	Size	Joist Spacing (mm)											
		Single Spans						Continuous Spans					
		225	300	400	450	480	600	225	300	400	450	480	600
100	95 x 38	1880	1700	1570	1480	1470	1340	2130	1920	1730	1680	1640	1520
	95 x 54	2120	1910	1740	1680	1660	1520	2360	2160	1970	1890	1830	1720
	130 x 54	2900	2640	2380	2300	2240	2080	3250	2960	2700	2580	2540	2340
	90 x 63	2120	1900	1730	1670	1640	1510	2360	2370	1970	1970	1830	1840
	130 x 63	3060	2760	2500	2430	2350	2200	3440	3100	2810	2710	2660	2470
150	150 x 63	3520	3180	2900	2790	2740	2550	3960	3580	3270	3120	3060	2850
	95 x 38	1770	1610	1460	1400	1400	1270	2000	1810	1670	1580	1550	1430
	95 x 54	1990	1810	1670	1600	1550	1440	2240	2030	1860	1800	1750	1640
	130 x 54	2750	2490	2280	2190	2130	1960	3080	2790	2540	2440	2380	2220
	90 x 63	1990	1800	1660	1580	1570	1430	2240	2040	1860	1780	1750	1620
200	130 x 63	2900	2610	2390	2300	2250	2070	3230	2950	2670	2570	2530	2350
	150 x 63	3320	3020	2770	2640	2590	2400	3730	3390	3100	2990	2910	2710
	95 x 38	1710	1560	1410	1340	1310	1220	1900	1730	1590	1510	1500	1360
	95 x 54	1910	1740	1570	1530	1500	1380	2160	1940	1770	1710	1670	1550
	130 x 54	2610	2370	2150	2090	2020	1880	2940	2600	2420	2350	2270	2130
300	90 x 63	1920	1730	1580	1510	1490	1360	2150	1940	1770	1690	1680	1550
	130 x 63	2750	2490	2280	2180	2130	1980	3110	2810	2560	2470	2400	2230
	150 x 63	3190	2900	2630	2520	2470	2280	3570	3240	2950	2850	2790	2570
	95 x 38	1560	1440	1300	1240	1220	1130	1780	1590	1450	1420	1390	1270
	95 x 54	1770	1600	1480	1390	1390	1260	1990	1820	1630	1580	1560	1420
400	130 x 54	2420	2210	2010	1920	1870	1750	2720	2480	2240	2160	2100	1950
	90 x 63	1750	1600	1450	1390	1390	1260	1990	2000	1620	1630	1540	1530
	130 x 63	2550	2330	2100	2010	1970	1860	2860	2610	2380	2270	2220	2060
	150 x 63	2940	2690	2430	2350	2290	2120	3300	3000	2730	2620	2570	2400
	95 x 38	1480	1360	1225	1185	1165	1075	1660	1520	1380	1310	1280	1180
600	95 x 54	1650	1520	1375	1335	1305	1185	1860	1700	1560	1490	1470	1350
	130 x 54	2270	2060	1895	1825	1765	1655	2325	2115	1900	1840	1820	1680
	90 x 63	1660	1520	1365	1335	1305	1185	1860	1680	1550	1490	1450	1340
	130 x 63	2390	2170	1995	1915	1855	1735	2680	2440	2210	2150	2080	1930
	150 x 63	2760	2510	2295	2215	2135	1985	3120	2830	2560	2460	2400	2230
100	95 x 38	1335	1225	1095	1075	1025	975	1505	1385	1250	1180	1170	1100
	95 x 54	1495	1365	1235	1215	1175	1075	1685	1555	1400	1330	1320	1220
	130 x 54	2055	1895	1715	1655	1615	1495	2325	2115	1900	1840	1820	1680
	90 x 63	1495	1365	1245	1195	1185	1085	1705	1545	1410	1340	1330	1210
	130 x 63	2185	1975	1805	1735	1695	1575	2455	2205	2020	1940	1890	1780
150 x 63	2525	2295	2075	2005	1945	1805	2835	2575	2330	2240	2190	2030	

BEARERS													
Slab Thickness	Size	Bearer Spacing (mm)											
		Single Spans						Continuous Spans					
		900	1200	1500	1800	2100	2400	900	1200	1500	1800	2100	2400
100	95 x 54	1330	1210	1120	1070	1010	950	1500	1340	1250	1180	1110	1020
	130 x 54	1810	1640	1550	1450	1390	1320	2060	1850	1740	1630	1550	1390
	90 x 63	1320	1210	1120	1070	1010	950	1480	1340	1260	1180	1110	1080
	130 x 63	1910	1730	1630	1530	1450	1400	2140	1970	1820	1720	1630	1560
	150 x 63	2200	2030	1880	1750	1660	1590	2470	2260	2090	1980	1890	1800
150	95 x 54	1250	1160	1080	1010	940	920	1420	1270	1180	1110	1030	900
	130 x 54	1720	1570	1470	1360	1300	1240	1950	1750	1650	1540	1400	1230
	90 x 63	1240	1160	1060	1010	930	920	1420	1270	1180	1120	1070	990
	130 x 63	1830	1640	1550	1450	1360	1300	2060	1850	1740	1610	1540	1430
	150 x 63	2090	1890	1780	1650	1570	1510	2370	2140	1980	1870	1770	1650
200	95 x 54	1210	1080	1010	950	920	850	1340	1240	1130	1070	920	810
	130 x 54	1660	1480	1390	1320	1240	1170	1850	1670	1580	1460	1250	1100
	90 x 63	1190	1090	1010	950	920	850	1360	1230	1130	1060	1020	890
	130 x 63	1720	1560	1480	1390	1320	1240	1960	1770	1660	1550	1460	1280
	150 x 63	2010	1830	1690	1600	1510	1450	2260	2060	1900	1790	1680	1470
300	95 x 54	1100	1020	930	900	850	810	1270	1120	1050	880	750	*660
	130 x 54	1510	1390	1300	1220	1160	1110	1720	1540	1430	1220	1040	*910
	90 x 63	1100	1000	930	880	850	810	1250	1120	1040	980	840	*730
	130 x 63	1600	1460	1360	1290	1220	1160	1810	1630	1520	1420	1220	*1060
	150 x 63	1850	1700	1570	1480	1400	1350	2080	1880	1770	1650	1410	*1230
400	95 x 54	1030	950	880	840	790	760	1190	1060	900	750	*640	*560
	130 x 54	1420	1320	1200	1140	1090	1020	1630	1450	1250	1030	*880	*770
	90 x 63	1030	950	870	840	790	760	1190	1050	980	830	*710	*620
	130 x 63	1500	1370	1280	1210	1140	1080	1680	1540	1420	1210	*1030	*900
	150 x 63	1750	1580	1460	1390	1330	1270	1970	1770	1660	1400	*1200	*1050
600	95 x 54	960	850	800	770	740	700	1060	880	700	*580	*490	*440
	130 x 54	1300	1180	1110	1030	970	950	1450	1190	960	*800	*690	*600
	90 x 63	950	860	800	770	720	710	1060	950	780	*650	*550	*480
	130 x 63	1380	1260	1160	1100	1030	980	1540	1390	1120	*930	*800	*700
	150 x 63	1570	1430	1350	1270	1200	1150	1760	1600	1280	*1070	*920	*810

**GENERAL NOTES:**

- All tables have been designed in accordance with loads and design criteria set out in AS3610 - 1995, Formwork for Concrete, and AS1170.0 and AS1170.1 Loading Codes, and AS1720.1-1997 Timber Design. Characteristic values for LP SolidStart LVL products have been developed by LP and checked and certified in accordance with AS/NZS 4357.1-2005 determination of structural properties for LVL, and AS/NZS 4063-1992 Stress Graded Timber - in grade strength and stiffness evaluation.
- For continuous span, check the spans involved in the overall length of the bearer or joist, and to ensure structural adequacy, the shortest span must be no less than 80% of the largest span for the advantages of continuous action to be maintained.
- Note the above limitation on bearing length. Where necessary, extend the bearing length using stiff steel support plates added to the props to avoid timber crushing and resultant loss of platform formwork level during the most adverse load conditions.
- Values given in Tables apply for LP SolidStart LVL in new or near new condition with moisture content not exceeding 15%. Wet Use Tables are available at [www.LPCorp.com/AU](http://www.LPCorp.com/AU).

- NOTE:**
- Minimum bearing length for supports is 45mm
  - Minimum bearing length for internal supports is 63mm
  - \*Requires a minimum 85mm bearing length for central support



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# LP™ SolidStart™ LVL E13 Concrete Formwork - Moisture Content Above 15%

JOISTS													
Slab Thickness	Size	Joist Spacing (mm)											
		Single Spans						Continuous Spans					
		225	300	400	450	480	600	225	300	400	450	480	600
100	95 x 38	1730	1600	1450	1370	1370	1240	1960	1780	1620	1550	1530	1400
	95 x 54	1960	1770	1620	1550	1540	1400	2360	2130	1960	1890	1820	1710
	130 x 54	2680	2440	2220	2120	2080	1940	3030	2730	2500	2400	2340	2180
	90 x 63	1960	1780	1630	1550	1530	1400	2210	2210	1800	1800	1720	1720
	130 x 63	2830	2580	2350	2250	2200	2030	3190	2880	2620	2530	2460	2280
150	150 x 63	3250	2970	2700	2580	2540	2360	3670	3340	3040	2900	2850	2660
	95 x 38	1655	1505	1375	1315	1285	1175	1850	1670	1530	1460	1450	1330
	95 x 54	1855	1675	1525	1475	1445	1325	2230	2050	1870	1770	1730	1630
	130 x 54	2555	2305	2095	2015	1985	1845	2860	2600	2350	2270	2210	2060
	90 x 63	1865	1675	1535	1465	1455	1335	2100	1890	1710	1650	1630	1490
200	130 x 63	2665	2435	2225	2115	2065	1935	3010	2720	2480	2390	2340	2170
	150 x 63	3095	2795	2555	2465	2415	2235	3460	3150	2870	2770	2700	2510
	95 x 38	1595	1445	1285	1265	1215	1125	1770	1600	1450	1390	1380	1270
	95 x 54	1765	1615	1465	1395	1395	1265	2150	1970	1750	1710	1670	1550
	130 x 54	2445	2205	2015	1915	1875	1765	2720	2480	2260	2180	2110	1960
300	90 x 63	1755	1595	1445	1395	1365	1265	2000	1800	1660	1580	1540	1420
	130 x 63	2565	2325	2125	2025	1975	1855	2860	2610	2390	2300	2230	2070
	150 x 63	2965	2675	2445	2355	2305	2125	3310	3030	2750	2630	2590	2390
	95 x 38	1450	1340	1220	1150	1140	1070	1640	1480	1350	1310	1290	1170
	95 x 54	1650	1480	1340	1310	1280	1170	1980	1810	1640	1570	1540	1430
400	130 x 54	2250	2030	1870	1800	1760	1640	2540	2310	2070	1990	1970	1840
	90 x 63	1630	1500	1350	1310	1290	1180	1860	1850	1520	1510	1420	1420
	130 x 63	2370	2170	1970	1880	1840	1710	2680	2430	2200	2110	2060	1920
	150 x 63	2750	2500	2250	2190	2110	1960	3090	2810	2540	2430	2380	2210
	95 x 38	1365	1245	1125	1105	1065	995	1540	1410	1290	1220	1210	1110
600	95 x 54	1535	1415	1285	1215	1205	1115	1870	1710	1550	1470	1470	1330
	130 x 54	2135	1915	1755	1695	1655	1535	2370	2160	1960	1870	1830	1730
	90 x 63	1525	1415	1285	1215	1195	1105	1720	1560	1420	1370	1340	1230
	130 x 63	2215	2035	1835	1775	1745	1605	2490	2280	2070	1970	1930	1820
	150 x 63	2555	2345	2105	2025	1995	1865	2890	2620	2400	2300	2250	2070

NOTE: \* Requires a minimum 63mm bearing length for central support.

BEARERS													
Slab Thickness	Size	Bearer Spacing (mm)											
		Single Spans						Continuous Spans					
		900	1200	1500	1800	2100	2400	900	1200	1500	1800	2100	2400
100	95 x 54	1230	1120	1040	990	940	890	1370	1250	1160	1080	930	820
	130 x 54	1680	1550	1410	1340	1260	1220	1890	1710	1620	1480	1270	1110
	90 x 63	1240	1120	1040	990	930	870	1370	1250	1160	1090	1030	900
	130 x 63	1790	1630	1520	1400	1340	1270	1990	1800	1680	1590	1480	1300
	150 x 63	2060	1850	1720	1630	1550	1480	2300	2100	1900	1740	1610	1490
150	95 x 54	1160	1070	1000	930	870	830	1310	1200	1100	960	820	720
	130 x 54	1620	1470	1350	1260	1190	1160	1810	1640	1520	1310	1120	980
	90 x 63	1160	1070	1000	930	870	830	1300	1180	1100	1050	910	800
	130 x 63	1690	1550	1430	1340	1260	1220	1890	1720	1600	1520	1310	1150
	150 x 63	1950	1780	1650	1550	1480	1410	2200	1990	1790	1640	1510	1320
200	95 x 54	1130	1030	960	890	840	800	1260	1130	1030	860	740	*650
	130 x 54	1540	1390	1300	1220	1160	1120	1730	1570	1400	1170	1010	*880
	90 x 63	1130	1030	950	890	840	800	1260	1130	1060	950	820	*710
	130 x 63	1620	1470	1370	1280	1220	1150	1810	1650	1530	1360	1170	*1030
	150 x 63	1850	1700	1560	1480	1400	1340	2080	1890	1690	1550	1350	*1180
300	95 x 54	1020	930	890	830	780	760	1150	1040	850	700	*600	*540
	130 x 54	1410	1290	1180	1120	1050	1010	1590	1450	1170	970	*830	*720
	90 x 63	1020	930	870	830	770	770	1170	1040	940	780	*670	*580
	130 x 63	1480	1350	1260	1170	1120	1060	1690	1510	1370	1140	*970	*850
	150 x 63	1740	1550	1460	1380	1300	1230	1920	1750	1580	1310	*1120	*980
400	95 x 54	970	880	830	770	750	730	1090	900	720	*600	*520	*450
	130 x 54	1330	1200	1110	1040	1000	960	1490	1250	990	*820	*700	*620
	90 x 63	960	870	830	770	740	720	1090	980	800	*660	*580	*500
	130 x 63	1390	1270	1190	1100	1040	1020	1570	1430	1160	*960	*820	*720
	150 x 63	1630	1470	1350	1280	1210	1170	1800	1650	1340	*1120	*950	*830
600	95 x 54	890	800	770	710	710	*660	930	700	*550	*460	*410	*350
	130 x 54	1190	1110	1030	950	910	*880	1270	960	*770	*640	*550	*480
	90 x 63	890	800	770	710	700	*660	980	780	*620	*520	*440	*400
	130 x 63	1270	1160	1080	1020	950	*920	1430	1120	*900	*750	*640	*550
	150 x 63	1460	1350	1240	1150	1060	*990	1610	1280	*1030	*860	*740	*650

NOTE: • Minimum bearing length for end supports is 45mm  
• Minimum bearing length for internal supports is 63mm

NOTE: • Minimum bearing length for supports is 45mm  
• Minimum bearing length for internal supports is 63mm  
• \*Requires a minimum 85mm bearing length for central support

## GENERAL NOTES:

- All tables have been designed in accordance with loads and design criteria set out in AS3610-1995, Formwork for Concrete, and AS1170.0 & AS1170.1 Loading Codes, and AS1720.1-1997 Timber Design Characteristic Values for LP SolidStart LVL products have been developed by LP, and checked and certified in accordance with AS/NZS 4357.3-2006 determination of structural properties for LVL, and AS/NZS 4063-1992 Stress Graded Timber - In-grade strength and stiffness evaluation.
- For continuous spans, check the spans involved in the overall length of the bearer or joists, and to ensure structural adequacy, the shortest span must be no less than 80% of the longest span for the advantages of continuous action to be maintained.
- Note the above limitation on bearing length. Where necessary, extend the bearing length using stiff steel support plates added to the props to avoid timber crushing and resultant loss of platform formwork level during the most adverse load conditions.



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