

Triple 12" 236 x 24 = 5664  
14" 386 x 24 = 9264

# VERSA-LAM® Roof Load Tables

## VERSA-LAM® 2.0 3100 (115% Load Duration)

KEY TO TABLE

Top Figure - Allowable Total Load [plf]

Middle Figure - Allowable Live Load [plf]

Bottom Figures - Minimum Required Bearing Length at End / Intermediate Supports (inches)

Span [ft]	1½" VERSA-LAM® 2.0 3100				Double Ply 1½" VERSA-LAM® 2.0 3100 or 3½" VERSA-LAM 2.0 3100								Triple Ply 1½" VERSA-LAM® 2.0 3100 or 5½" VERSA-LAM 2.0 3100						Quadruple Ply 1½" VERSA-LAM® 2.0 3100 or 7" VERSA-LAM 2.0 3100					
	7½"	9½"	11½"	14"	7½"	9½"	11½"	14"	16"	18"	24"	9½"	11½"	14"	16"	18"	20"	24"	11½"	14"	16"	18"	20"	24"
6	678	1223	1639	2065	1755	2446	3278	4130	5047	5232	5226	3669	4917	6195	7570	7848	7845	7638	6556	8280	10094	10463	10459	10451
	2/5	2.8/7	3.8/9.4	4.7/11.8	2/5	2.8/7	3.8/9.4	4.7/11.85	6/15	6/15	6/15	2.8/7	3.8/9.4	4.7/11.85	6/15	6/15	6/15	6/15	3.8/9.4	4.7/11.85	6/15	6/15	6/15	6/15
8	598	858	1126	1389	1197	1717	2252	2779	3321	3915	3913	2575	3379	4168	4981	5872	5876	5870	4505	5558	6642	7829	7834	7826
	482	-	-	-	965	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	1.8/4.6	2.6/6.6	3.5/8.6	4.3/10.6	1.8/4.6	2.6/6.6	3.5/8.6	4.3/10.65	1/12.7	6/15	6/15	2.8/6.8	3.5/8.6	4.3/10.65	1/12.7	6/15	6/15	6/15	3.5/8.6	4.3/10.65	1/12.7	6/15	6/15	6/15
	326	637	857	1046	651	1274	1714	2092	2472	2880	3126	1912	2571	3138	3709	4320	4695	4688	3429	4184	4945	5759	6259	6251
	247	556	-	-	494	1111	-	-	-	-	-	1667	-	-	-	-	-	-	-	-	-	-	-	-
	1.5/3.1	2.4/6.1	3.3/8.2	4/10	1.5/3.1	2.4/6.1	3.3/8.2	4/10	4.7/11.95	5/13.8	6/15	2.4/8.1	3.3/8.2	4/10	4.7/11.95	5/13.8	6/15	6/15	3.3/8.2	4/10	4.7/11.95	5/13.8	6/15	6/15
11	244	526	765	931	487	1052	1531	1881	2192	2543	2839	1577	2296	2792	3286	3814	4265	4259	3062	3723	4383	5085	5687	5679
	186	418	-	-	371	835	-	-	-	-	-	1253	-	-	-	-	-	-	-	-	-	-	-	-
	1.5/3	2.2/5.6	3.2/8.1	3.9/9.8	1.5/3	2.2/5.6	3.2/8.1	3.9/9.8	4.6/11.65	4/13.4	6/15	2.2/5.6	3.2/8.1	3.9/9.8	4.6/11.65	4/13.4	6/15	6/15	3.2/8.1	3.9/9.8	4.6/11.65	4/13.4	6/15	6/15
12	187	424	674	838	374	848	1347	1676	1968	2276	2601	1272	2021	2514	2952	3414	3903	3901	2694	3353	3936	4552	5203	5201
	143	322	628	-	286	643	1256	-	-	-	-	965	1884	-	-	-	-	-	2512	-	-	-	-	-
	1.5/3	2/4.9	3.1/7.8	3.9/9.7	1.5/3	2/4.9	3.1/7.8	3.9/9.7	4.5/11.35	2/13.1	6/15	2/4.9	3.1/7.8	3.9/9.7	4.5/11.35	2/13.1	6/15	6/15	3.1/7.8	3.9/9.7	4.5/11.35	2/13.1	6/15	6/15
13	146	332	573	762	292	665	1146	1524	1785	2060	2399	997	1719	2287	2678	3089	3522	3598	2292	3049	3571	4119	4696	4797
	112	253	494	-	225	506	988	-	-	-	-	759	1482	-	-	-	-	-	1976	-	-	-	-	-
	1.5/3	1.7/4.2	2.9/7.2	3.8/9.5	1.5/3	1.7/4.2	2.9/7.2	3.8/9.5	4.5/11.25	1/12.9	6/15	1.7/4.2	2.9/7.2	3.8/9.5	4.5/11.25	1/12.9	6/15	6/15	2.9/7.2	3.8/9.5	4.5/11.25	1/12.9	6/15	6/15
14	116	265	493	674	233	530	987	1349	1634	1880	2226	796	1480	2023	2450	2821	3208	3338	1973	2697	3267	3761	4278	4451
	90	203	396	648	180	405	791	1296	-	-	-	608	1167	1644	-	-	-	-	1582	2593	-	-	-	-
	1.5/3	1.5/3.6	2.7/6.7	3.6/9.1	1.5/3	1.5/3.6	2.7/6.7	3.6/9.1	4.4/11	5.1/12.7	6/15	1.5/3.6	2.7/6.7	3.6/9.1	4.4/11	5.1/12.75	6/15	6/15	2.7/6.7	3.6/9.1	4.4/11	5.1/12.75	6/15	6/15
15	94	216	423	586	188	429	846	1173	1505	1730	2076	644	1266	1759	2258	2595	2946	3113	1691	2346	3011	3459	3928	4151
	73	165	322	527	146	329	643	1054	-	-	-	494	965	1581	-	-	-	-	1286	2108	-	-	-	-
	1.5/3	1.5/3.1	2.5/6.1	3.4/8.5	1.5/3	1.5/3.1	2.5/6.1	3.4/8.5	4.3/10.9	5/12.5	6/15	1.5/3.1	2.5/6.1	3.4/8.5	4.3/10.9	5/12.5	6/15	6/15	2.5/6.1	3.4/8.5	4.3/10.9	5/12.5	6/15	6/15
16	77	176	347	515	153	352	695	1029	1327	1601	1944	528	1042	1544	1990	2402	2723	2917	1389	2058	2653	3202	3630	3889
	60	136	265	434	121	271	530	868	1296	-	-	407	795	1303	1944	-	-	-	1060	1737	2593	-	-	-
	1.5/3	1.5/3	2.2/5.4	3.2/7.9	1.5/3	1.5/3	2.2/5.4	3.2/7.9	4.1/10.24	9/12.3	6/15	1.5/3	2.2/5.4	3.2/7.9	4.1/10.24	9/12.3	6/15	6/15	2.2/5.4	3.2/7.9	4.1/10.24	9/12.3	6/15	6/15
17	63	146	289	456	127	292	577	910	1173	1468	1829	438	866	1365	1760	2201	2531	2743	1154	1820	2348	2935	3374	3657
	50	113	221	362	101	226	442	724	1081	-	-	339	663	1086	1621	-	-	-	884	1448	2161	-	-	-
	1.5/3	1.5/3	1.9/4.8	3/7.5	1.5/3	1.5/3	1.9/4.8	3/7.5	3.9/9.6	4.8/12	6/15	1.5/3	1.9/4.8	3/7.5	3.9/9.6	4.8/12	5.5/13.8	6/15	1.9/4.8	3/7.5	3.9/9.6	4.8/12	5.5/13.8	6/15
18	53	122	242	399	106	244	484	799	1045	1307	1726	367	726	1198	1567	1961	2364	2588	968	1598	2089	2614	3151	3451
	42	95	186	305	85	191	372	610	910	1296	-	286	558	915	1366	1944	-	-	744	1220	1821	2593	-	-
	1.5/3	1.5/3	1.7/4.3	2.8/7	1.5/3	1.5/3	1.7/4.3	2.8/7	3.6/9.1	4.5/11.4	6/15	1.5/3	1.7/4.3	2.8/7	3.6/9.1	4.5/11.45	13/17	6/15	1.7/4.3	2.8/7	3.6/9.1	4.5/11.45	13/17	6/15
19	103	205	339	-	89	206	410	677	936	1171	1634	310	615	1016	1404	1757	2147	2450	820	1354	1872	2342	2862	3267
	81	158	259	-	72	162	316	519	774	1102	-	243	475	778	1161	1653	-	-	633	1037	1548	2204	-	-
	1.5/3	1.5/3.8	2.5/6.3	-	1.5/3	1.5/3	1.5/3.8	2.5/6.3	3.4/8.6	4.3/10.8	6/15	1.5/3	1.5/3.8	2.5/6.3	3.4/8.6	4.3/10.85	13/17	6/15	1.5/3.8	2.5/6.3	3.4/8.6	4.3/10.85	13/17	6/15
20	88	175	289	-	75	176	350	579	843	1055	1551	263	525	888	1265	1583	1934	2326	699	1157	1686	2110	2579	3101
	69	136	222	-	62	139	271	445	664	945	-	208	407	667	996	1418	-	-	543	889	1327	1890	-	-
	1.5/3	1.5/3.4	2.3/5.6	-	1.5/3	1.5/3	1.5/3.4	2.3/5.6	3.3/8.2	4.1/10.2	6/15	1.5/3	1.5/3.4	2.3/5.6	3.3/8.2	4.1/10.2	5/12.5	6/15	1.5/3.4	2.3/5.6	3.3/8.2	4.1/10.2	5/12.5	6/15
22	65	130	216	-	54	130	260	431	649	859	1407	194	390	647	973	1303	1593	2111	520	862	1297	1738	2124	2815
	52	102	167	-	46	104	204	334	499	710	-	157	306	501	748	1065	1461	-	408	668	997	1420	1948	-
	1.5/3	1.5/3	1.9/4.7	-	1.5/3	1.5/3	1.9/4.7	2.8/7	3.7/9.3	6/15	6/15	1.5/3	1.5/3	1.9/4.7	2.8/7	3.7/9.3	4.5/11.3	6/15	1.5/3	1.9/4.7	2.8/7	3.7/9.3	4.5/11.3	6/15
24	99	164	-	-	98	197	329	496	711	1259	-	146	296	493	744	1066	1334	1889	395	658	992	1422	1779	2518
	79	129	-	-	80	157	257	384	547	-	-	121	236	386	576	820	1125	-	314	515	768	1094	1500	-
	1.5/3	1.6/3.9	-	-	1.5/3	1.5/3	1.6/3.9	2.3/5.9	3.3/8.3	5.9/14.7	6/15	1.5/3	1.5/3	1.6/3.9	2.3/5.9	3.3/8.3	4.2/10.45	9/14.7	1.5/3	1.6/3.9	2.3/5.9	3.3/8.3	4.2/10.45	9/14.7
26	78	128	-	-	75	153	256	387	555	1089	-	112	229	383	580	833	1132	1604	305	511	773	1110	1510	2139
	62	101	-	-	63	124	202	302	430	1020	-	95	185	304	453	645	885	1529	247	405	604	860	1180	2039
	1.5/3	1.5/3.3	-	-	1.5/3	1.5/3	1.5/3.3	2/5	2.8/7.1	5.4/13.5	6/15	1.5/3	1.5/3											