

## SINGLE SPAN CONDITION LOADING

### Uniformly Distributed Loads - Lbs. per square foot

**SPAN: Center-to-center of supports (inches)**

<b>VERSAROC® Thickness</b>	<b>Load Governed By</b>	<b>12"</b>	<b>16"</b>	<b>24"</b>
<b>8mm (5/16")</b>	<b>L/360 ▲ limit between supports</b>	<b>30</b>	<b>13</b>	<b>4</b>
	<b>L/240 ▲ limit between supports</b>	<b>41</b>	<b>19</b>	<b>6</b>
<b>10mm (3/8")</b>	<b>L/360 ▲ limit between supports</b>	<b>59</b>	<b>25</b>	<b>7</b>
	<b>L/240 ▲ limit between supports</b>	<b>65</b>	<b>35</b>	<b>11</b>
<b>12mm (1/2")</b>	<b>L/360 ▲ limit between supports</b>	<b>94</b>	<b>43</b>	<b>13</b>
	<b>L/240 ▲ limit between supports</b>	<b>94</b>	<b>52</b>	<b>19</b>
<b>16mm (5/8")</b>	<b>L/360 ▲ limit between supports</b>	<b>169</b>	<b>93</b>	<b>30</b>
	<b>L/240 ▲ limit between supports</b>	<b>169</b>	<b>93</b>	<b>39</b>
<b>19mm (3/4")</b>	<b>L/360 ▲ limit between supports</b>	<b>239</b>	<b>132</b>	<b>51</b>
	<b>L/240 ▲ limit between supports</b>	<b>239</b>	<b>132</b>	<b>56</b>
<b>22mm (7/8")</b>	<b>L/360 ▲ limit between supports</b>	<b>321</b>	<b>178</b>	<b>76</b>
	<b>L/240 ▲ limit between supports</b>	<b>321</b>	<b>178</b>	<b>76</b>
<b>25mm (1")</b>	<b>L/360 ▲ limit between supports</b>	<b>415</b>	<b>231</b>	<b>99</b>
	<b>L/240 ▲ limit between supports</b>	<b>415</b>	<b>231</b>	<b>99</b>
<b>28mm (1-1/8")</b>	<b>L/360 ▲ limit between supports</b>	<b>521</b>	<b>290</b>	<b>125</b>
	<b>L/240 ▲ limit between supports</b>	<b>521</b>	<b>290</b>	<b>125</b>
<b>32mm (1-1/4")</b>	<b>L/360 ▲ limit between supports</b>	<b>682</b>	<b>380</b>	<b>164</b>
	<b>L/240 ▲ limit between supports</b>	<b>682</b>	<b>380</b>	<b>164</b>
<b>38mm (1-1/2")</b>	<b>L/360 ▲ limit between supports</b>	<b>865</b>	<b>482</b>	<b>209</b>
	<b>L/240 ▲ limit between supports</b>	<b>865</b>	<b>482</b>	<b>209</b>

Live loads shown use a safety factor of 4. Moisture content of VERSAROC® board is assumed to be 9% by weight (+- 3%) as shipped from the factories - this is considered "dry condition". If VERSAROC® boards are allowed to become saturated, reduce live load working capacity approximately 30% until the boards have re-dried. All load data remains valid for re-dried VERSAROC® boards. Technical tables and specifications are provided as a general guideline only. No table can be sufficiently comprehensive to cover all details of a specific project. We recommend that all installations be designed and reviewed by a qualified architect or engineer.