

# Technical Specifications

## Allowable Spans for Decking

APR DECKING SECTION	APPLICATION			
	Boardwalk	Public Access (Non Trafficable)	Light Vehicle Access	Heavy Vehicle Access
137 x 23 DG	300	N/A	N/A	N/A
200 x 23 DG	350	N/A	N/A	N/A
165 x 32 DG	450	300	N/A	N/A
190 x 40 DG	650	450	N/A	N/A
TRI - I	750	550	350	N/A
200 x 50	1000	600	250	N/A
275 x 50	1200	750	350	N/A
200 x 75	1800	1150	600	N/A
230 x 100	N/A	1500	1000	350
<b>Design Wheel Load (Point Load)</b>	1.8kN	4.5kN	15kN	65kN
<b>Design Uniformly Distributed Load (UDL)</b>	5kPa	5kPa	5kPa	15kPa
<b>Examples of Allowable Loading</b>	<ul style="list-style-type: none"> <li>• Pedestrians</li> <li>• Bicycles</li> <li>• Mobility Scooters</li> <li>• Wheelchairs</li> </ul>	<ul style="list-style-type: none"> <li>• 'Gator' Type Park Maintenance Vehicle to 1000kg GVM</li> <li>• Golf Cart to 1000kg GVM</li> </ul>	<ul style="list-style-type: none"> <li>• Passenger Vehicles</li> <li>• 4x4 Utility Vehicles</li> <li>• Mercedes 'Sprinter' Ambulance</li> </ul>	<ul style="list-style-type: none"> <li>• Road Legal Heavy Vehicles with Maximum Axle Load not Exceeding 10.0t</li> </ul>

### NOTES

1. All dimensions in millimetres
2. Boards are to be continuous over at least 2 spans
3. Spans based on ASTM D6662-09 'Standard Specification for Polyolefin Based Lumber Decking Boards'
4. Spans based on bending strength of 26MPa and flexural Modulus of 3500MPa
5. Deflections have been limited to span/180