

Technical Bulletin – Board Spacing

Product	NexGEN Composite Decking																																															
Report	Board Spacing																																															
Description	All composite materials undergo some degree of linear expansion due to temperature differences. To compensate the contraction and expansion effects, the correct board spacing should be adhered to.																																															
Calculation Chart	<table border="1"> <thead> <tr> <th>Board Length</th> <th>10C</th> <th>20C</th> <th>30C</th> <th>40C</th> <th>50C</th> </tr> </thead> <tbody> <tr> <td>1.0 metre</td> <td>0.4</td> <td>0.7</td> <td>1.1</td> <td>1.5</td> <td>1.8</td> </tr> <tr> <td>2.0 metre</td> <td>0.7</td> <td>1.5</td> <td>2.2</td> <td>2.9</td> <td>3.6</td> </tr> <tr> <td>3.0 metre</td> <td>1.1</td> <td>2.2</td> <td>3.3</td> <td>4.4</td> <td>5.5</td> </tr> <tr> <td>4.0 metre</td> <td>1.4</td> <td>2.9</td> <td>4.4</td> <td>5.8</td> <td>7.3</td> </tr> <tr> <td>5.0 metre</td> <td>1.8</td> <td>3.7</td> <td>5.5</td> <td>7.3</td> <td>9.1</td> </tr> <tr> <td>6.0 metre</td> <td>2.2</td> <td>4.4</td> <td>6.6</td> <td>8.8</td> <td>10.9</td> </tr> </tbody> </table> <p>The table refers to the difference in temperature between the day of installation and the highest temperature (<i>spacing is shown in millimetres</i>)</p> <p>Coefficient of thermal expansion per lineal metre = 0.036mm / degree centigrade</p> <p>Example: 15 degrees centigrade during installation, maximal temperature expected around project is 35 degrees. For a 3.6 metre board, expansion would be (35 – 15 = 20 degrees = 2.5mm)</p>	Board Length	10C	20C	30C	40C	50C	1.0 metre	0.4	0.7	1.1	1.5	1.8	2.0 metre	0.7	1.5	2.2	2.9	3.6	3.0 metre	1.1	2.2	3.3	4.4	5.5	4.0 metre	1.4	2.9	4.4	5.8	7.3	5.0 metre	1.8	3.7	5.5	7.3	9.1	6.0 metre	2.2	4.4	6.6	8.8	10.9					
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General	<p><i>In General and in case of any doubt:</i></p> <p>Side to side spacing: 5mm Between the board side and any permanent structure such as a wall or a post: 6mm End to end spacing: 3mm</p>																																															



www.nexgendecking.com.au

Tel: 1300 661 801