

<p>Products</p>	<p>Fibron® ProTect, ProTect Advantage®, Horizon®, Sanctuary, Good Life, Xtreme, Xtreme Wide, Exotics, Traditional and Professional Decking</p>
<p>Installation Instruction</p>	<p>Spacing and Gap Requirements for Fibron Wood Plastic Composite (WPC) Decking</p>
<p>Spacing Requirements</p>	<ul style="list-style-type: none"> • Joists used in deck frame construction should be 2”x 8” or larger. • When using joist mount brackets with Horizon Railing, a minimum 2”x 8” joist is required. • When installing perpendicular to the joists in residential applications, space 16” on-center. (figure a) • Commercial applications should be no more than 12” on-center. • When the decking is to be laid diagonally, reduce the on-center joist spacing by 4”. (figure b) • For special situations, or when in doubt, consult your local building inspector. <p>When installing heavy loads on a decking project such as a hot tub, it is important to also understand the requirements of the manufacturer as they may have specific framing and support requirements for their warranty coverage.</p> <p>When installing blocking for more intricate decking patterns, remember that solid blocking (blocking laid on the flat) will inhibit water flow and result in buildup of organic materials over time, which will make cleaning more difficult. For best results when blocking is required, install blocking ladder style. (figure c)</p> <div style="text-align: center;"> <p>The diagrams illustrate three different decking configurations: <ul style="list-style-type: none"> Figure a: Residential Joist Spacing. Shows a cross-section of a deck with joists and deck boards. The joist spacing is labeled as 16" o.c. Figure b: Residential Joist Spacing. Shows a cross-section of a deck with joists and deck boards laid diagonally. The joist spacing is labeled as 12" o.c. Figure c: Blocking. Shows a cross-section of a deck with stringers or joists and blocking. The blocking is shown in a ladder style, which allows for water flow. </p> </div> <p>Stair Stringer Spacing:</p> <ul style="list-style-type: none"> • 9” (23 cm) on center for scalloped bottom boards. • 12” (30 cm) on center for flat bottom boards.

Proper Gaps

Proper gaps during installation help maintain needed spacing for normal expansion and contraction of decking materials through seasonal changes. Due environmental conditions are undeterminable and uncontrollable, Fibron recommends the following gapping to help maintain needed space between deck boards year 'round for drainage and air flow.

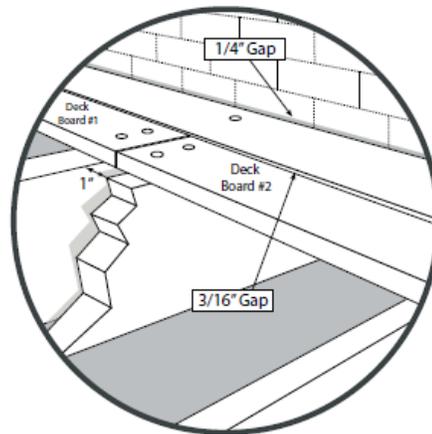
Side to Side:

- 3/16" side to side spacing between the boards (Phantom Fastener automatically gaps 3/16")
- 1/4" gap between the deck board and any solid structure such as a wall or post

End to End:

- At temperatures up to 30°F (-1°C), space 1/4" (6mm)
- At 50°F (10°C, space 3/16" (5mm)
- At 70°F (21°C), space 1/8" (3mm)
- At 90°F (32°C, space 1/16" (2mm)
- At temperatures over 110°F (43°C), space 1/32" (1mm) or lightly butted

Side-To-Side Spacing



End Gapping

