

Products

Fibron® ProTect, ProTect Advantage®, Horizon®, Sanctuary, Good Life, Xtreme, Xtreme Wide, Exotics, Traditional and Professional Decking

Installation Instructions

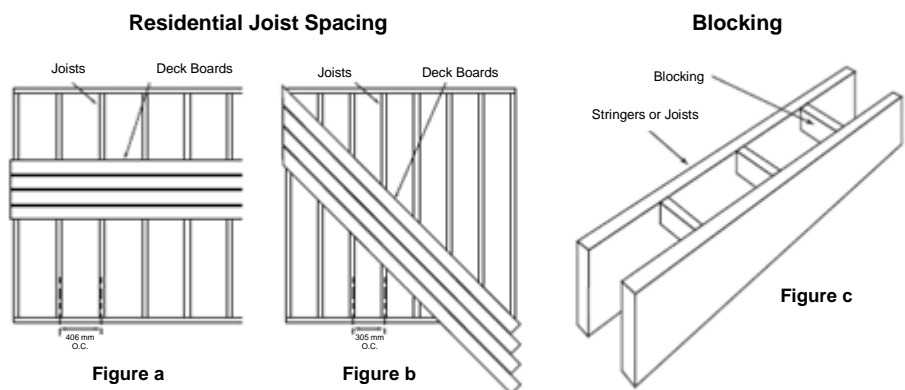
Spacing and Gap Requirements for Fibron Wood Plastic Composite (WPC) Decking

Spacing Requirements

- Joists used in deck frame construction should be 51 mm x 203 mm or larger.
- When using joist mount brackets with Horizon Railing, a minimum 51 mm x 203 mm joist is required.
- When installing perpendicular to the joists in residential applications, space 406 mm on-centre. (figure a)
- Commercial applications should be no more than 305 mm on-centre.
- When the decking is to be laid diagonally, reduce the on-centre joist spacing by 102 mm. (figure b)
- For special situations, or when in doubt, consult your local building inspector.

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.

When installing blocking for more intricate decking patterns, remember that solid blocking (blocking laid on the flat) will inhibit water flow and result in a build-up of organic materials over time, which will make cleaning more difficult. For best results when blocking is required, install blocking ladder style. (figure c)



Stair Stringer Spacing:

- 23 cm on centre for scalloped bottom boards.
- 30 cm on centre 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. Since it is not possible to determine or control environmental conditions, Fiberon recommends the following gapping to help maintain needed space between deck boards year-round for drainage and air flow.

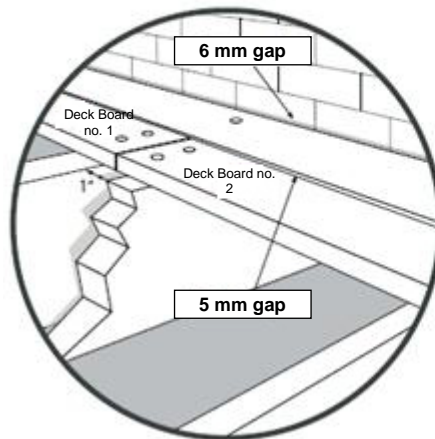
Side to Side:

- 5 mm side to side spacing between the boards (Phantom Fastener automatically gaps 5 mm)
- 6 mm gap between the deck board and any solid structure such as a wall or post

End to End:

- At temperatures up to -1 °C, space 6 mm
- At 10 °C, space 5 mm
- At 21 °C, space 3 mm
- At 32 °C, space 2 mm
- At temperatures over 43 °C, space 1 mm or lightly butted

Side-To-Side Spacing



End Gapping

