

## Fiberon® Horizon™ Decking with PermaTech™ Innovation

Fiberon® Horizon™ Decking, introduced by Fiber Composites in the fall of 2008 represents a major breakthrough product introduction for the composite/alternate decking marketplace. Incorporating patent pending PermaTech™ innovation, enabled by a high performance surface material, Horizon decking provides ultimate performance in stain, fade and scratch resistance. During the development of Horizon decking, Fiber Composites completed a wide array of performance testing to determine the long term performance of the product when subjected to the elements. The results of these tests provide dramatic proof that Fiberon Horizon decking is a highly durable product that can provide superior long term performance for use as an exterior deck board. Fiber Composites stands behind Horizon decking with a 20 year warranty against checking, splintering, delamination, rotting, and structural damage from fungal decay. Horizon is also backed by an additional 10 Year Fade Resistant Warranty, the composite decking industry's only fade resistant warranty.

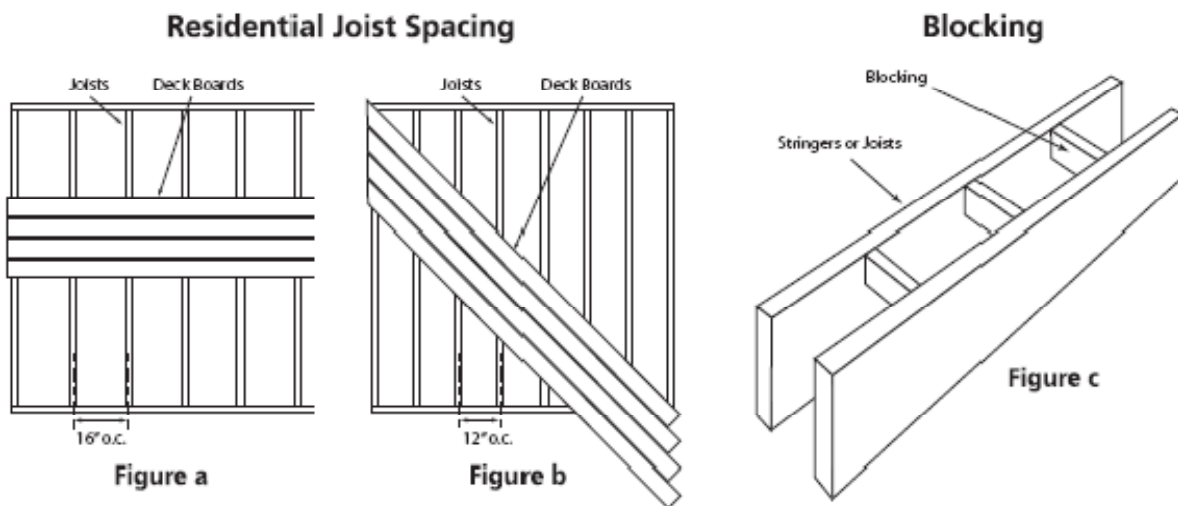
### TECHNICAL BULLETIN #6

#### Spacing and Gap Requirements for Fiberon Horizon Decking

##### Spacing Requirements

- Horizon decking is installed using the same procedures as traditional Fiberon HDPE decking.
- Joists used in deck frame construction should be 2" x 8" or larger.
- When using joist mount brackets with Horizon Plus railing, a minimum 2" x 8" joist is required.
- When installing Horizon 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.

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 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)

### Proper Gaps for Fiberon Horizon Decking Installation:

For warranty coverage, the following installation standards must be maintained:

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:

- 1/8" gap between board ends

