



Installation Instructions

Congratulations on your recent purchase of ThermalGuard, we truly appreciate your business. As with all Biewer Lumber products, your satisfaction with this product is guaranteed. These installation guidelines will help you through the process of installing your new ThermalGuard deck.

Before You Begin:

Like any project, make sure you have all the proper tools to complete the job. Always use caution and follow safety guidelines and manufacturer's instructions with any power tools. When cutting, sanding or drilling ThermalGuard, ensure proper ventilation and dust collection. Safety glasses and dust masks are recommended.

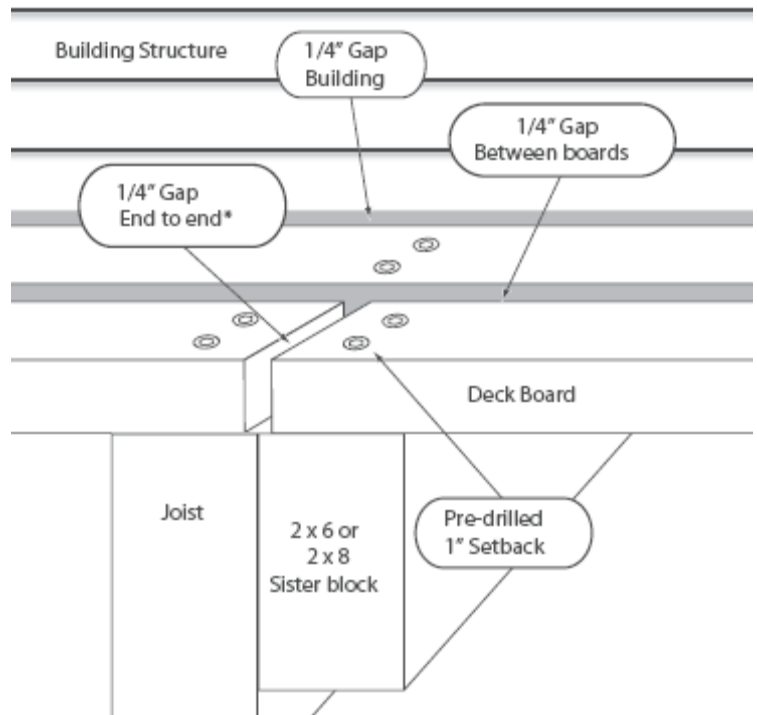
NOTE: ThermalGuard must be supported by a code-compliant substructure. Prior to beginning your installation, all decking plans should be reviewed by a licensed engineer or architect and approved by your local building officials.

Joint spacing:

- Maximum spacing of 16" on center for projects perpendicular to joists.
- Maximum spacing of 12" on center for projects diagonal to joist.
- Additional joist or blocking may be necessary for end to end installation. **(diagram 1)**

Board Spacing:

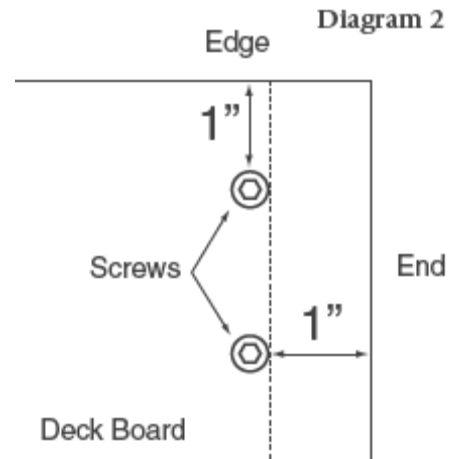
- 1/4" gap required between building structure and deck boards.
- 1/4" gap required between all board edges
- End to end spacing:
 - To compensate for slight swelling ensure 1/4" gap on all sides.



Fastening Requirements:

Use of Hidden fastening Systems is recommended for use with ThermalGuard.

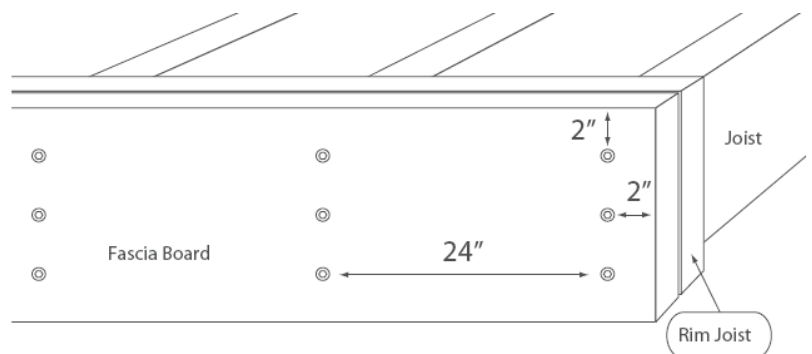
- All boards must have two screws at each end.
- Pre-drilled holes are required for all end fasteners.
- Pre-drilled fastener holes must be the same diameter as screw shaft for all end fasteners to prevent splitting.
- Fasteners must be installed a minimum of 1" (edge of fastener to edge of board) from the end and edge of every board. **(diagram 2)**
- Use coarse thread screws.
- **Do not over tighten fasteners.**



Fascia Installation:

- Substrate (rim joist) of lumber is required.
- Attached fascia with 3 screws or nails every 24".
- Fasten a minimum of 2' from end and edge of board.

Diagram 3



Finishes and Coating

It is recommended that ThermalGuard be finished with a semitransparent oil based UV inhibiting stain. This will reduce the silvering that occurs naturally in thermally modified wood products. It will also aid in the prevention of natural wood checking.

As with all finishes, follow the coating manufacturer's application and maintenance recommendations for optimal performance.