

THERMALLY MODIFIED DECKING Installation Guide



- Joist spacing: maximum 16" on center when decking is perpendicular, maximum 12" on center when decking is angled.
- Minimum distance from ground: 8". It is essential that air can circulate under deck to equalize humidity. **Do not trap moisture.**
- Minimum gap between boards: 3/16". Mantis®, InvisiFast®, or Turbo® Clip systems automatically space the boards. Clips must be matched to the groove that is milled.
- Face-screw outside edges of first and last decking boards using stainless steel screws only. To avoid splitting, pre-drilling and counter-sinking is recommended.
- Minimum screwing distance from edge: 3/4"
- Minimum screwing distance from ends: 1-1/2"
- Butt joints must be centered on joists.
- Decking boards with Structural End Match do not need to meet end-to-end on a joist. However, boards on either side of a Structural End Match must span a minimum of 2 joists or stringers.
- In picture framed applications, gap and pillow mitered corners (1/8" spacing, 1/8" radius).

NOMINAL SIZE	NET SIZE	LENGTHS	COMPATIBLE CLIPS**
1 X 6	0.75" X 5.50"	3' to 12'	Requires Mantis® 320
5/4 X 6	1.00" X 5.50"	3' to 12'	Requires Mantis® 396 *InvisiFast® *Turbo Clip®

* TurboClip / InvisiFast Clips - Decking can be milled for these clips by special request at no additional charge.

** Do NOT force or alter other clips to fit with our groove-and-groove decking profile.

PROFILES*

- ☉ Groove & Groove
- ☉ Eased 4 Edge
- ☉ With or Without Structural End Match

SPECIES*

- ☉ Thermally Modified Ash
- ☉ Thermally Modified Oak

STAIR TREADS

- ☉ Use 5/4" (net 1") thickness boards only
- ☉ Pre-drill, counter-sink and face-screw only; do not use clips
- ☉ Stringers max 12" OC apart

FASTENERS

Fasteners – Use stainless steel screws, nails, ONLY. **Do NOT use galvanized.** Galvanized fasteners will create permanent black stains.



*Options Available in all Sizes

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After Installation



- ⊗ Thermally Modified wood will begin to “season” or adapt to its environment.
 - *What you may see: superficial checking and occasional cracks near ends of boards. These do not get worse over time, and they do not indicate product failure. These adaptations are common to all woods. After several wet/dry cycles, many of these checks and cracks will diminish or close up altogether.*
- ⊗ Without UV protectant, Thermally Modified wood will lighten and eventually turn silver. This process begins immediately and may take a year to complete. This is also a very natural process for all wood products and it is superficial. The original brown color can be restored at any time by sanding and applying a UV protectant. Power washing alone does not remove the silvering.

CARE & MAINTENANCE

- ⊗ To prevent “silvering” of the wood, we recommend using a penetrating UV protectant. Most UV protectants also resist water and allow it to evaporate before penetrating the wood. This in turn reduces the incidence of checking and cracking.
- ⊗ Recommended UV protectants:
 - *For best results, Americana™ recommends Cutek™ Extreme (note: a pigment is required for UV protection) - www.CutekAmerica.com, 888-220-2350*
- ⊗ Other UV protectants:
 - *Penofin® for Hardwood - www.penofin.com, 800-PENOFIN*
 - *Seal-Once® NANO+POLY™ Premium Wood Sealer (note: a pigment is required for UV protection) - www.seal-once.com, 888-363-2628*
- ⊗ Finishes - For best results, apply Cutek Clear to all sides before installation (or opt for factory-applied Cutek). To maintain or alter the color, apply another coat of Cutek + colortone of your choice on visible surfaces after installation.
- ⊗ **Please consult Americana before attempting to use any finish other than the recommended ones.**

