



INSTALLATION GUIDEBOOK

Decking & Porch Flooring





INSTALLATION GUIDEBOOK

Decking Section

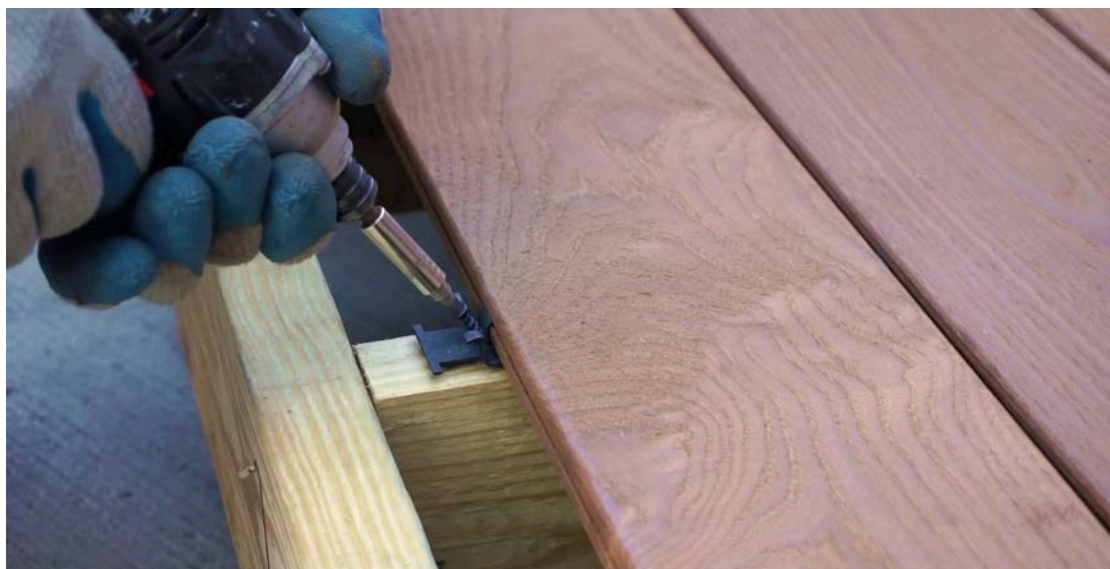
Thermally Modified Decking

- ▶ Joist spacing: maximum 16" on center when decking is perpendicular, maximum 12" on center when decking is angled.
- ▶ Minimum distance from ground: 12". **It is essential** that air can circulate under deck to equalize humidity. Do not trap moisture.



- ▶ Minimum gap between boards: 3/16". Mantis®, TurboClip®, or Invisi-Fast® systems automatically space the boards. Clips must be matched to the groove that is milled.

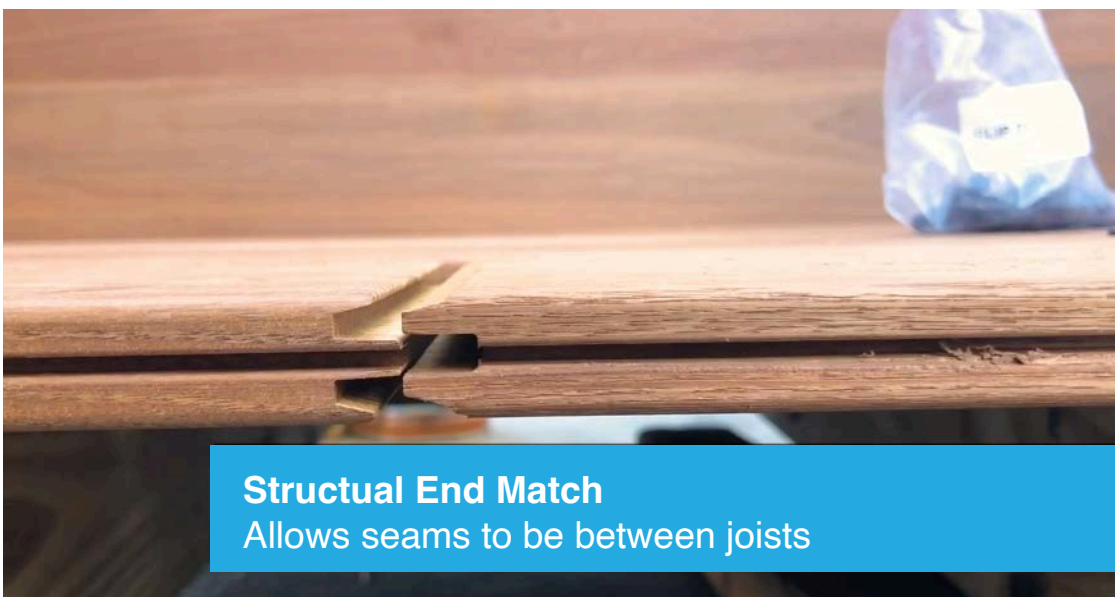
****If you are unsure which clip goes with your Decking, please contact Americana for assistance***



- ▶ 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.



Structural End Match
Allows seams to be between joists

Normal 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 *TurboClip® *Invisi-Fast®



** TurboClip / Invisi-Fast 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.*



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Porch Flooring Tips and Tricks Video



Profiles

Example: M-46-02

"M" = Mantis

"T" = TurboClip/Invisi-Fast

"46" = Thickness in quarters of an inch, Width in whole inch

"02" = SKU (Mantis Groove & Groove Profile)

Americana Code	SKU Description
M-XX-01	Mantis Groove one edge
M-XX-02	Mantis Groove & Groove
M-XX-03	No Grooves Contour
M-XX-04	Mantis Groove one edge, Contour
M-XX-05	Mantis Groove & Groove, Contour
T-XX-01	TurboClip Groove one edge
T-XX-02	TurboClip Groove & Groove
T-XX-03	TurboClip Crown
T-XX-04	No Grooves Contour <i>(same profile as M-XX-03)</i>
T-XX-05	TurboClip Groove one edge, Contour
T-XX-06	TurboClip Groove & Groove, Contour

Species

- ▶ Thermally Modified Ash*
***Subject to availability, check with Americana**
- ▶ 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
- ▶ Do not use Structural End Match on Stair Treads. Use solid boards only
- ▶ Maximum overhang 1/4" from supporting structure

Fasteners

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

Storage

Ideally, Americana™ thermally modified wood should be stored inside, away from the weather and sun. If storing outside, it is important that Americana™ wood products are not subjected to weather or sun, because the UV Rays will fade the material. The products should be elevated off the ground, uniformly stacked, and completely covered with a waterproof tarp. Make sure the ends of the tarp are open so moisture is not trapped inside.

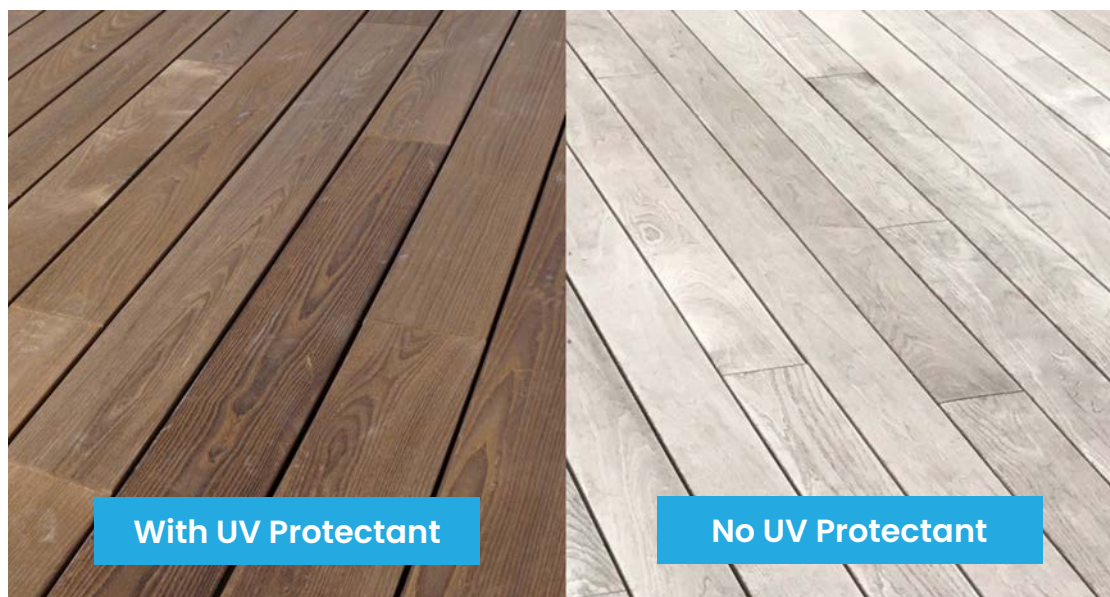


After Installation

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.



Recommended UV protectants:

- ▶ *For best results, Americana™ recommends Cutek™ Extreme (note: a pigment is required for UV protection) - <https://cetekstain.com/us/1-833-MY-CUTEK>*
- ▶ *Ask us about other finishes before using.*



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.



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 finishes other than those recommended.



**Scan to watch Care and Maintenance
Tips and Tricks Video**





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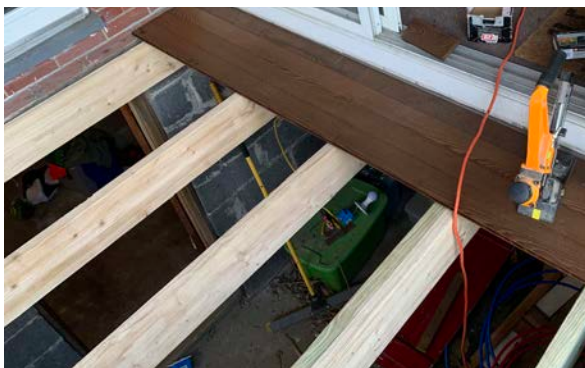
Porch Flooring Section

Thermally Modified Porch Flooring

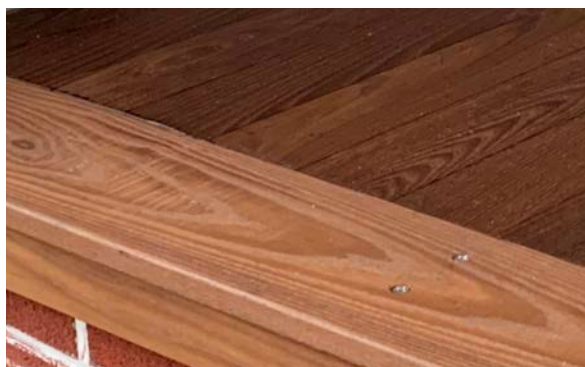
- ▶ Tongue & Groove porch flooring must only be used for covered porch applications with adequate pitch ($1/8''$ to $1/4''$ per $12''$).



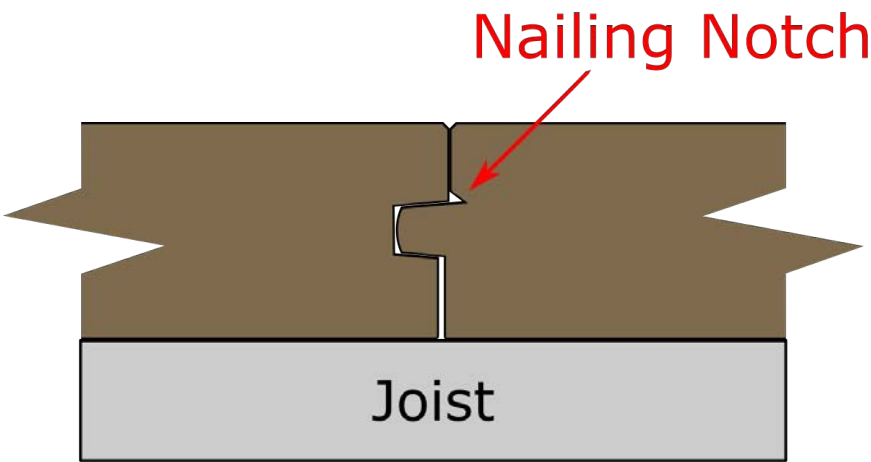
- ▶ Joist spacing: maximum 16" on center when porch flooring is perpendicular, maximum 12" on center when porch flooring is angled.



- ▶ Minimum distance from ground: 12". **It is essential** that air can circulate under porch to equalize humidity. Do not trap moisture.
- ▶ Face-screw outside edges of first and last porch boards using stainless steel screws only. To avoid splitting, pre-drilling and counter-sinking is recommended.



- ▶ Screw (pre-drill first) or nail through tongue at a 45° angle. For pneumatic floor nailers, use 16-gauge stainless “L” Cleats.
- ▶ Butt joints must be centered on joists. Porch boards with Square End Match do not need to meet end-to-end on a joist. Boards on either side of a Square End Match must span minimum 2 joists.
- ▶ Always orient the nailing notch upward as shown in the diagram below. This will automatically create an expansion gap on the bottom edge of the board.



Normal Size	Net Size	Lengths	Compatible Fasteners
▶ 1 X 3	0.75" x 2.25" plus tongue	6' to 12'	1.5" 16-gauge Stainless Steel "L" Cleats
▶ 1 X 4	0.75" x 3.50" plus tongue	6' to 12'	1.5" 16-gauge Stainless Steel "L" Cleats
▶ 5/4 X 3	1.00" x 2.25" plus tongue	6' to 12'	2.0" 16-gauge Stainless Steel "L" Cleats
▶ 5/4 X 4	1.00" x 3.50" plus tongue	6' to 12'	2.0" 16-gauge Stainless Steel "L" Cleats



Profiles

Example: P-44-01

"P" = Porch Flooring

"44" = Thickness in quarters of an inch, Width in whole inch

"01" = SKU (Tongue & Groove Microbevel Profile)

Americana Code	SKU Description
P-XX-01	Tongue & Groove Microbevel
P-XX-02	Tongue & Groove

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Stair Treads

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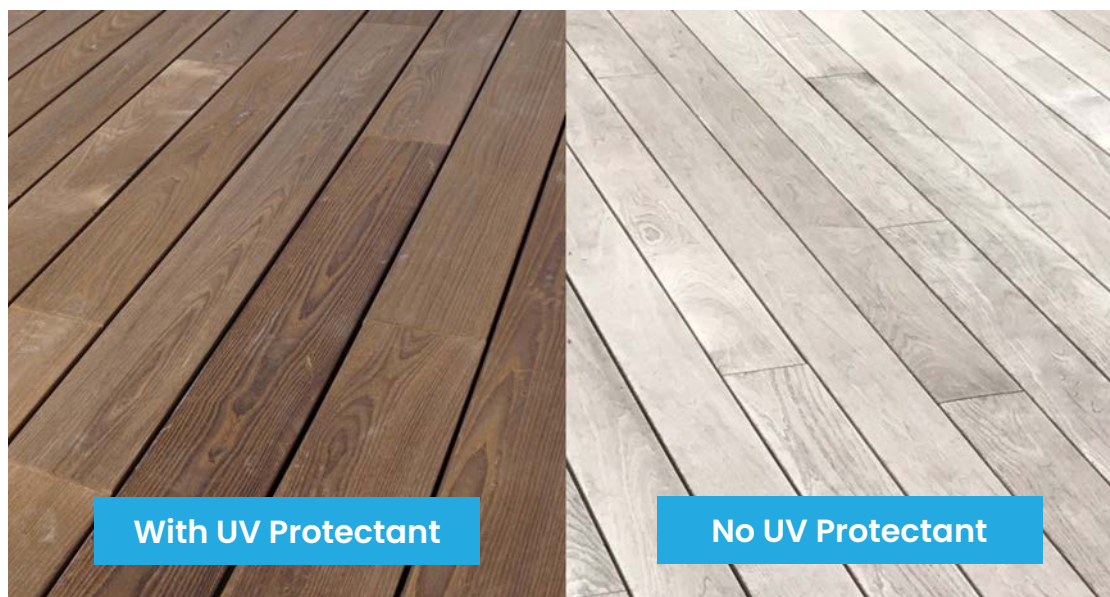


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