



INSTALLATION GUIDEBOOK

Porch Flooring





Porch Flooring Introduction

Our T&G Microbevel design allows the wood to adjust to wet/dry cycles without cupping or scalloping. Our proprietary structural end match also allows you to span greater distances than traditional butt-end Porch Flooring. So why stop at 8' or 10'? Extend your porch as far as you dare, and do some real outdoor living.

Acclimation

For optimal wood performance we recommend allowing the wood to fully acclimate to your local environment. This acclimation period, which varies in length based on the relative humidity in your area and the season, allows the wood to achieve its Equilibrium Moisture Content (EMC) and thereby minimize any moisture absorption after installation. To properly acclimate, remove the packaging from the wood and store it elevated off the ground, out of the weather and direct sunlight. Acclimation can be further expedited by placing sticks in between each row of boards.

Thermally Modified Porch Installation

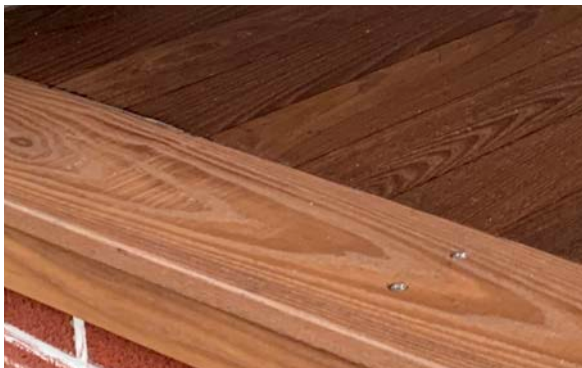
- ▶ Tongue & Groove porch flooring must only be used for covered porch applications with adequate pitch ($1/8''$ to $1/4''$ per $12''$).



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

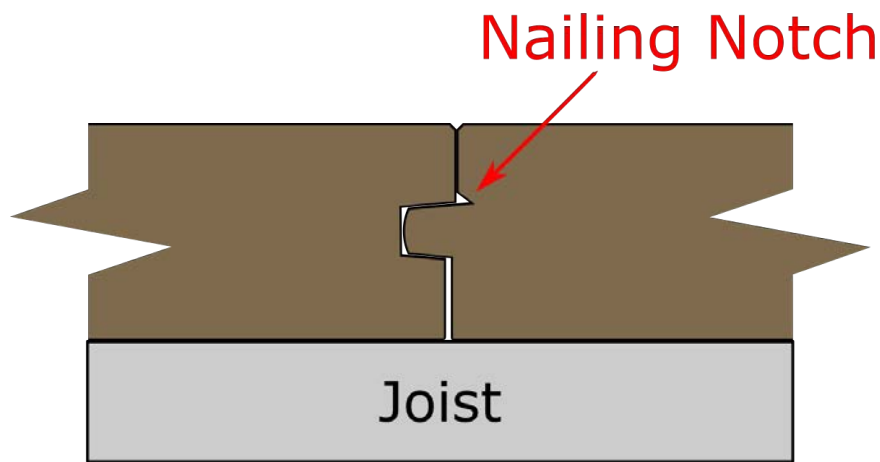


- ▶ Minimum distance from ground: 12". **It is essential** that air can circulate under porch to equalize humidity. Do not trap moisture.
- ▶ Face-screw outside edges of first and last porch boards using stainless steel screws only. To avoid splitting, pre-drilling and counter-sinking is recommended.



Thermally Modified Porch Installation

- ▶ 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. Also look for twin relief grooves on the back side of the board and orient downward.



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

Thermally Modified Porch

Profiles

Example: P-44-001

“P” = Porch Flooring

“44” = Thickness in quarters of an inch, Width in whole inch

“001” = SKU (Tongue & Groove Microbevel Profile)

Americana Code	SKU Description
P-XX-001	Tongue & Groove Microbevel
P-XX-002	Tongue & Groove

Species

- ▶ Thermally Modified Appalachian Ash*
****Subject to availability, check with Americana***
- ▶ Thermally Modified Pennsylvania Oak

Stair Treads

- ▶ Use 5/4” thickness only
Face-screw only; do not use clips
- ▶ Stringers max 12” apart
- ▶ Do not use Structural End Match on Stair Treads. Use solid boards only
- ▶ Maximum overhang 1/4” from supporting structure

Thermally Modified Porch

Fasteners

Use stainless fasteners, 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.



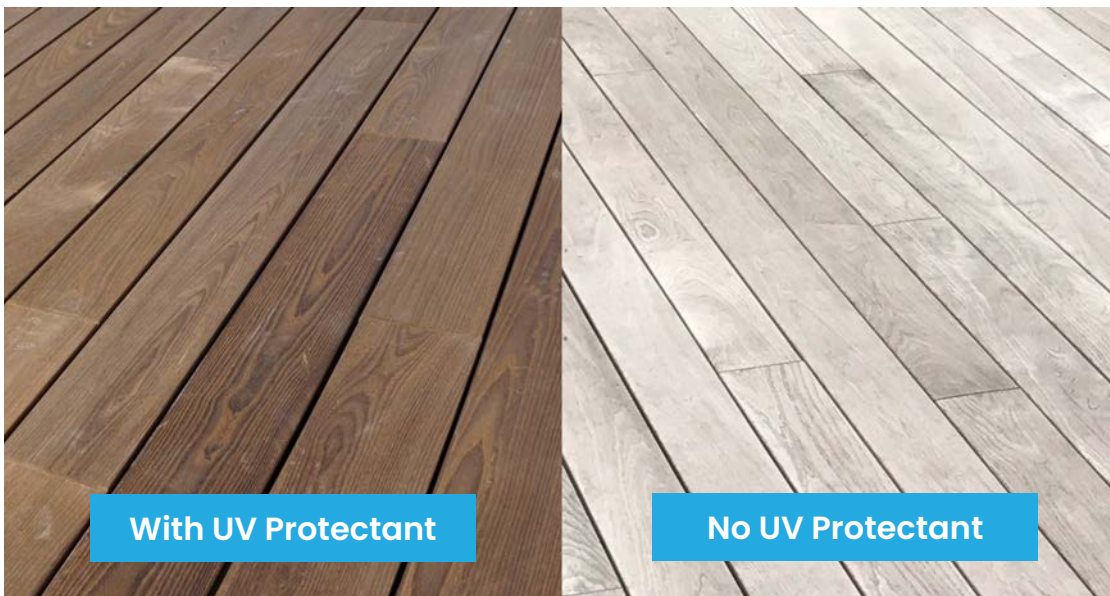
Scan to watch [Decking and Porch Flooring Tips and Tricks Video](#)

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://cutekstain.com/us/>, 1-833-MY-CUTEK*
- ▶ *Ask us about other finishes before using.*

Wood Silvering

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.



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Tips and Tricks Video