



dassoXTR Fused Bamboo® Porch Flooring Installation Guidelines

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First we congratulate you on your selection of dassoXTR Porch Fused Bamboo® Flooring for your home. Please have your installer read the instructions provided below. We ask you to follow the finish and maintenance guidelines to keep your XTR looking it's best. Enjoy your new porch flooring and welcome to the XTR family.

dassoXTR Fused Bamboo® Porch Flooring Storage and Handling

For best results, dassoXTR should be kept out of direct sunlight and should not be exposed to inclement weather before installation. dassoXTR can be installed right away; there is no need to wait for the material to acclimate to its surroundings. There is also no need to prime the boards as dassoXTR comes from the factory pre primed on all sides.

When the dassoXTR material arrives on the jobsite, keep it off the ground by placing a few pieces of lumber underneath the packaging. Cover material with a tarp to protect it from weather and sunlight before installation. Like hardwood, XTR Bamboo is photosensitive and tarping the material will protect the material from pre-installation UV light color change caused by the sun. When exposed, the unexposed areas, like under banding straps, will darken to match the already exposed areas, but by tarping you prevent having to explain this temporary appearance.

Product Performance

dassoXTR is manufactured and inspected to ensure the highest-quality. However, fused bamboo strand is a natural product and is subject to normal variations inherent in natural wood products. With the proper application of sealers and finishes, the effects of weather and time can be limited on bamboo and wood. Nominal end checks are to be expected as this is a natural product.

dassoXTR porch flooring is not rated for ground or concrete contact.

Safety

Drilling, sawing, sanding, and machining bamboo/ wood generates wood dust. Avoid inhaling wood dust by wearing a dust mask. Visit dassoXTR.com for MSDS information.

Recommended Installation

dassoXTR is installed like solid hardwood flooring. To maximize the features and benefits of dassoXTR porch flooring, we recommend using 18-gauge flooring cleats with the Powernail 50P power nailer in combination with the dassoXTR ProPlug® System and proper grade stainless steel screws. Visit dassoXTR.com for installation accessories.

The following items are recommended for installation

- Powernail 50P 18 GA. cleat nailer
 - Rubber mallet (comes with the nailer)
 - 1 3/4" 18 GA. flooring cleats (DO NOT USE 16 GA.) available from Powernail (L175185) and Grip-Rite (GRFLN175)
 - Corded drill
 - ProPlug system for concealing face screws
 - High speed steel bits
 - Safety glasses
 - Chop saw with a high quality 40 tooth Carbide tip blade
- dassoXTR can be crosscut with a quality chop saw. Ripping can be done on a standard table saw, using a properly aligned quality fence with a carbide-tipped blade. Anchorseal-2 Wood
 - Sealer or equivalent is required on cross cut ends to minimize the effects of weather on these exposed ends.
 - When drilling dassoXTR, always use high-quality drill bits. When you are drilling into the face, we recommend using a countersink bit with a positive stop. This will ensure a consistent depth for all the screws.
 - dassoXTR can be routed or planed with highspeed steel or carbide cutters. When required, only sand in the direction of the grain – i.e. belt or pole sander. Never use an orbital sander, never sand across the board.

Material Application – Covered Porches Only

This product should be used ONLY on covered porches, it can be used indoors as well and is installed the same way. Indoors only the product can be affixed directly to the plywood subfloor.

Sloping

A gentle slope away from the building structure is recommended to ensure water drains away and does not puddle on the porch. This slope is generally accomplished by sloping the structure 1/8" to 1/4" per foot away from the building structure.

Joist Span

Residential and Light Commercial

The recommended maximum span for 18mm (1x3 3/4") dassoXTR is 12" on center – but your local building codes may be less. End joints should meet on top of the joists and be properly supported. For best appearance and porch strength, end joints should be staggered to prevent direct alignment of the ends. Blocking may be required at end joints to ensure both boards are fastened properly and to give adequate room for the flooring nail gun to be used.

When porch installation is on an angle, the joist spacing must maintain the 12" centers and cover four joists. Determine the final joist spacing only after talking with local building code officials. XTR will not be responsible for an insufficient load bearing structural design.

Spacing

Spacing between the house and product is recommended. An 1/4" space is recommended. When fastening the material to the joists it is not necessary to pound the boards together but rather snug the board to the previous one while checking for run out as you move across the porch. The Porch flooring should be installed directly to the joists and not to plywood.

Ventilation

The porch substructure should be built to meet or exceed your local building code – and joist bottoms hang at least 6" above the ground – less than that will void the warranty. There must be adequate air circulation underneath the flooring to prevent cupping and warping of the boards.

In applications where the porch is being built closer to the ground, a vapor barrier is recommended to prevent water from absorbing into the underside of the material.

NOTE: For porches on concrete we recommend the use of a rail and pedestal system to ensure minimum spacing for ventilation.

Recommended Products for Use with dassoXTR

Hidden Fasteners

Tongue and groove dassoXTR is built for a cleat fastening application; the boards are run with a tongue and groove designed for easy installation.

We recommend using the Powernailer 50P 18-gauge cleat nailer which is widely available as the choice of flooring professionals. Use only 18 gauge cleats as noted above.

Each porch board must be installed flush and tight against the joist system with a fastener insert through the tongue and into the joist. Ensure joists are properly aligned on the top; use shims to if necessary.

Fasteners should be attached at 45 degrees from vertical into the groove on the tongue and into the porch board and joist below. Test the gun using a scrap piece of flooring to ensure that the bottom plate/foot of the nailer is properly positioned to so the fastener is installed in the correct place and angle. The Powernailer gun's bottom plate easily adjusts to work with dassoXTR porch flooring.

Installers should adjust the pressure to ensure the fastener is placed just below the surface (generally 80 to 90 psi no greater). A setting tool or punch is handy to drive fasteners below the surface if needed.

Always apply firm pressure to the nailer by holding it in contact with the material, centered over the joist and stabilizing it at a 90-degree angle to the flooring. The nailer will insert the cleat at a 45-degree angle seating the flooring directly to the joist. Be careful when attaching fasteners close to edge to avoid splitting the tongue.

The first board and final boards should be face screwed to the joist system using stainless steel screws, predrilled and countersunk. Plugs are available from dassoXTR for this use.

Face Screwing

Top-down screwing is a widely accepted and common method to install porch flooring. XTR porch flooring can be installed with:

1. Use a minimum of 2 ¼" length screws on ¾" thick (1x3-¾") porch flooring. Screws should be 305 grade stainless steel, and preferably 316 grade stainless steel (316 grade is required near water).
2. If you are counter sinking the screw heads dassoXTR offers The Pro Plug System. The Pro Plug System is a complete system for plugging and it includes the Pro Plug Tool, specially engineered XTR Bamboo plugs, the Pro Plug glue nozzle, and stainless steel screws.

Screw Material and Type

Always use stainless steel screws for hardwoods. Standard head-coated in Grade 305 stainless steel provide corrosion resistance. For locations close to or on the water, especially saltwater, Grade 316 stainless steel will provide even greater corrosion resistance and should be used.

End Sealer

Use cross cut end sealer as part of the normal installation production to help prevent splitting and checking at the ends of the boards. We recommend that all boards be end sealed as soon as reasonably possible after cutting, using a clear, water-resistant wax. Anchorseal from UC Coatings is one of the most well-known end sealer products, although there are others available.

NOTE: Failure to end seal the boards at the time of installation will void any claims made against the warranty.

Finishing

Although dassoXTR is a manufactured product, its primary component is bamboo. dassoXTR will behave like a natural building material. In order to maintain its original color, you must coat dassoXTR a few months after installation with a penetrating oil finish. The initial period of allowing it exposure to weather is due to the dassoXTR fused bamboo's factory coat of Pre-Primed penetrating oil wears off in a few months. The timeframe of this initial period varies with the amount of weather and foot traffic however three to six months is normal. Please visit dassoXTR.com for more guidance on when to finish dassoXTR Fused Bamboo.

Make sure your deck is clean and dry before applying any penetrating oil to the surface. Wait at least 48 hours for the deck to dry and make sure you have at least 48 hours after application of the oil of clear weather (no rain) for the oil to dry.

Do not use any product on dassoXTR that will create a surface build. Regardless of the product and its warranty dassoXTR will not be responsible for failure of a finishing system that creates a coating or surface build.

Routine Maintenance

Routinely remove debris from your porch flooring such as leaves, grass clippings by sweeping (with a soft bristle brush) or blowing them off. Power washing of the material is not recommended use only a regular hose and a gentle bristle brush to remove stuck on debris.

Do not use rock salt or other snow removal agents to remove snow from your porch flooring but rather use a plastic snow shovel. Always shovel the length of the board and be gentle.

*****Important Disclaimer*****

You must contact your local building department before you begin designing your project. Your local building department (and/or Homeowner Association) will inform you of any zoning ordinances and buildings codes that specify where and how you can build. You are responsible for applying for and obtaining any and all required permits for your project.

dassoXTR provides this information as possible suggestions only and will not be held liable for your project's suitability or should you choose not to obtain the required permits, or if you fail to comply with all zoning ordinances and buildin codes.