

Eco Installation

Upon Product Delivery

1. Verify packing slip matches with product and order and inspect delivered product thoroughly.
2. Store product and adhesive in clean, dry environment with temperatures between 60° and 70°F and humidity between 40% to 60%.
3. The material must be acclimated to the environment where it will be laid for at least 72 hours before installation.
4. Read product and subfloor preparation and instructions carefully and completely before beginning any installations.

Preparation

Product

Eco wood boards should be protected from excessive moisture and other damage prior to application, during application and while curing. A moisture meter should be used to make sure the moisture levels of subfloor and Eco boards do not differ by more than 3% or else Eco should not be installed.

Subfloor Surface

The **subfloor general conditions** should be as follows:

- Must be dry year-round
- Must be free of wax, oil, grease, sealer, curing compound, paint, varnish, old adhesive, or other contaminants. All contaminants must be removed by mechanical abatement since chemical abatement will lead to additional contaminants.
- Be reasonably flat and free of holes or variances of more than 3/16" in 10 feet
- Must be properly prepared to be a satisfactory bonding surface for adhesion of subfloor to Eco
- Must be firm, structurally sound, dry, clean, smooth, and level

Concrete Subfloors

The **concrete subfloor conditions** should follow the general conditions above, as well as:

- Must be fully cured for at least 60 days
- Must not be loose, sandy, and scaly or have a white powdery surface
- Moisture content must not exceed three pounds per 1000 square feet using calcium chloride test
- If the moisture content exceeds 3 lbs per 1000 ft², a permanent effective moisture barrier membrane must be installed

Wood Subfloors

The **wood subfloor conditions** should follow the general conditions above, as well as:

- Must not be oiled plywood surface
- Moisture content must not exceed 12%

Installation Procedures

Eco can be installed alone by glue down method or as a floating floor system.

Instructions for Gluing Down Wood Boards

1. Start at a outside wall and lay boards parallel to longest dimension of room, making sure tongue and groove of each board fit together tightly.
2. Apply recommended adhesive at a 45-degree angle to the back of wood board with a V notch trowel.
3. Lay boards firmly into place.
4. Roll laid wood boards with 100-pound roller within adhesive working time.
5. First row should be held in place by wedging or blink nailing.
6. Repeat steps 2 through 4 until finished with first row.
7. Apply tape to seams of adjoining rows to prevent gaps during drying.
8. Repeat steps above with subsequent row until desired part of the room has Eco wood boards.

Important Notes for Gluing Down Wood Boards

- Always leave ½" expansion gap from the wall
- If boards are laid more than 10 meter run, another ½" expansion gap will be needed

Instructions for Floating Floor System

1. Cover concrete or subfloor with poly sealing and lapping joints a minimum of 6 mil
2. Install lower layer of subfloor perpendicular to finish maple flooring, spacing all edges 1/4" and stagger joints 4'. Provide 1-1/2" expansion voids at perimeter and at all vertical obstructions. The underside of first layer shall have resilient pads attached 12" on center (32 per sheet) and 6" from edges on all sides. Install solid blocking at doorways, under bleachers in the stacked position, and below portable goals.
3. The second layer of subfloor shall be laid at a 45-degree angle over the first layer, spacing all edges 1/4" and stagger joints 4'. Provide 1-1/2" expansion voids at perimeter and at all vertical obstructions. Attach second layer of subfloor with fasteners 12" on center.
4. Install bamboo flooring by power nailing or stapling approximately 12" on center with end joints properly driven up.
5. If required, size joints between flooring strips to allow for intermediate expansion in accordance with local humidity conditions.
6. Provide 1-1/2" expansion voids at perimeter and at all vertical obstructions.

Important Notes for Floating Floor System

- For base installation, Install vent cove base to walls with base cement or screws. Use pre-molded outside corners and mitered inside corners.

STRENGTH

PLAE

Finishing Procedures

1. Perform after either of the installation methods above
2. Machine-sand with coarse, medium, and fine paper to a smooth, even and uniform surface.
3. Remove sanding dust from entire surface by tack or vacuum.
4. Inspect entire area of floor to insure that surface is acceptable for finishing, clean and completely free from sanding dust.
5. Apply two (2) coats of approved seal and two (2) coats of approved finish per manufacturer's instructions.
6. Buff and clean floor between coats.
7. Game Lines: Apply game lines as indicated on drawings, between seal and first coat of finish.

STRENGTH