



M :

**LEGEND HOMES
CUSTOMER CARE
FAX COVER SHEET**
PHONE: (503)620-8080 X____
FAX: (503)601-3524

ATTN: Jake Lewis

FAX # 503-227-5715

NUMBER OF PAGES 3

COMMENTS: We use the glue-down, ply wood
installation method

THANK YOU!

Sean Hurley

APR-26-2007 THU 08:58 AM PAULSONS NEW HOMES DIV
04/26/2007 THU 8:29 FAX 503 226 3101 CHRONIN COMPANY

FAX NO. 5039242000

P. 02

002/007

Eko Wood Installation Instructions.doc

Page 1

EkoWood Hardwood Flooring Installation Instructions

Read all instructions thoroughly before installation.

For 9/16" EkoWood Hardwood Flooring Products Use Only:

- Floating Floor Installation
- Glue-down Installation
- Nail-down / Staple-down Installation
- Eko-Loc Installation

For 3/4" EkoWood Hardwood Flooring Products Use Only:

- Glue-down Installation
- Nail-down / Staple-down Installation

Note: All EkoWood Hardwood Flooring products utilize an engineered construction, and can be used "on-grade", "above-grade", or "below-grade".

ATTENTION: INSTALLER RESPONSIBILITY

Prior to installation, proper inventory and inspection of all materials must be conducted. It is not the responsibility of the distributor, or the manufacturer, for defects related to improperly stored material. The installer assumes all responsibility for final inspection of product quality. If, for any reason, the material is defective, the installer should report the defective condition to the seller prior to installation. EkoWood will replace any defective material prior to installation. Failure to adhere to these conditions will result in the installer/home owner accepting full liability.

- Use stain or filler stick for touch up during installation.
- Order an additional 5% for cutting and grading allowances.
- Use approved flooring grade leveling products, and follow the manufacturer's recommendations to correct low spots in the sub-floor. Grind or sand high areas.

JOB SITE ENVIRONMENT

Prior to installation, the installer has the final responsibility to determine that the job-site conditions, and the substrate, meet or exceed acceptable standards. Manufacturer's recommendations for the construction and its materials, as well as local building codes, must be followed. Areas under wood sub-floors must be well ventilated and remain dry. All sub-floors should be dry, flat, and free from foreign debris.

Exterior

- Gutters, down spouts, grading, and all exterior work should be complete before installation.
- The grade should slope away from the foundation by at least 5% (roughly a fall of 3" in 10')
- In the case of above grade construction, a minimum of 18" from the ground to the bottom of the floor joist is required. Cover the ground with 6 to 8 mil polyethylene. Lap the edge by 6" and tape. Vents should be in adjacent areas of the foundation walls to allow for good circulation, and the total vent area should be equal to (at least) 1.5% of the square footage of the crawl space area. Where necessary, local regulations will prevail...

Interior

- Structure should be closed in with all outside doors and windows in place.
- All other trades (drywall, masonry, "wet work") must be complete...
- HVAC must be on and running maintaining at least 60° and a 25%-55% relative humidity. It might be necessary to use humidifiers or dehumidifiers to achieve these levels.

APR-26-2007 THU 08:58 AM PAULSONS NEW HOMES DIV
 04/26/2007 THU 8:29 FAX 503 228 3101 CROMIN COMPANY

FAX NO. 5039242000

P. 03

005/007

Eko Wood Installation Instructions.doc

Page 4

Glu-down Installation Method

Recommended Sub-floor

Concrete slabs, ceramic tile, stone, terrazzo, marble, 1/2" OSB, 3/4" plywood, vinyl, resilient tile. The material must be solid, flat, structurally sound and securely attached to the substrate.

Installation

- All door jams and doors should be cut to allow for the new elevation of the flooring. A jamb saw or hand saw can be used to cut the jamb. (Figure 1)
- For wood sub-floors, flooring should be installed at right angles to existing joist system if at all possible, and to the longest dimension of the room. If flooring has to be installed parallel to the joist, an additional layer of 1/2" sheathing should be applied at a minimum of 45 degree angle over the existing 3/4" sub-floor.
- Snap a chalk line on the sub-floor. Chalk line should represent the width of one piece of flooring, plus an expansion space (thickness of the piece), next to the wall. It might be necessary to rip pieces of the first row as the wall might not be square and straight. (Figure 12)
- Remove the pieces and spread adhesive between the chalk line and wall, in accordance with the adhesive manufacturer's recommended trowel size and instructions. An approved adhesive must be used. (Figure 13)
- Set pieces of flooring into the adhesive with the tongue side toward the wall and edge of the board on the chalk line. This will allow for an expansion space against the starting wall. The first piece should be placed to allow for an expansion space on the end wall as well. Move down the row placing pieces in the adhesive and firmly engaging the tongue and groove on the ends. Shims should be placed in-between the starting wall and flooring as well as the end walls. This will allow for pushing pieces into place without moving others out of position. (Figure 2)
- Continue spreading adhesive and placing rows into place. The cut from the far end can be used to start the next row. Use a tapping block or pulker to make sure the pieces are fully engaged. Do not hit the edge with a hammer or mallet as the finish may be damaged. Do not spread more adhesive than can be reasonably worked during the open time specified by the manufacturer. (Figure 14)
- Continue this process down the second row and for each row row. Allow for at least a 6" variance between end joints on adjacent rows to improve the appearance of the finished floor. (Figure 7)
- Leave an expansion space around all vertical obstructions including pipes and columns. Measure the position and size of the obstruction on the flooring and cut as shown in the figure. Leave an expansion space to allow the flooring to expand or contract during seasonal changes. Saw through the hole at a 45 degree angle to allow re-gluing the cut-off piece (Figure 8).
- The width of the final row can be found by turning a piece of flooring (tongue side to the wall) as a marking guide. Place the pieces to be installed on top of the second to last row and mark using the piece against the wall. After cutting, apply glue to the tongue and install with a pinch bar. Insert shims and leave them secure until the glue has properly dried. (Figure 9)
- Allow 24 to 48 hours for the glue to cure and remove the shims.
- Molding should be used to cover the expansion spaces. Nail moldings into the wall and not into the floor. (Figure 10)