



# Solid Installation Instructions

Please read all instructions carefully before attempting installation.  
Improper installation may void the warranty.

## PRODUCT USE

DIVINE Flooring Prefinished Solid Wood Flooring products can be installed on and above grade only, not in basements. They may be nailed down with cleats or staples over a wooden subfloor, using a specially designed hardwood floor nailer.

A solid hardwood floor can be installed over a concrete subfloor on or above grade, not in basements, as long as a layer of plywood is placed over the concrete. A vapor barrier should be used to protect the wood flooring against excessive humidity so that moisture transfer is no more than 3 lbs/1000 sq. ft/24 hours and subfloor moisture is less than 12%.

DIVINE Flooring does not recommend installation of our solid wood flooring over radiant-heated subfloor; it is advisable to install our engineered hardwood floor, which is specially designed for this type of application.

## INSTALLER AND OWNER RESPONSIBILITY

Prior to installation, the installer and owner must ensure that the work environment and subfloors meet or exceed the minimal specifications listed in this installation guide.

Standard Worldwide industry practice allows for up to a 5% margin of error for grading variances, natural imperfections and manufacturing defects. Prior to installation, the installer and owner should conduct a final inspection of grade, color, manufacturing and finish quality of boards to ensure that the floor conforms to purchased product.

Once installed, any board is considered as having been accepted by installer and owner, even if owner is absent at time of installation. When ordering hardwood flooring, it is recommended to add to the square footage needed as allowance for cutting waste.

## WARRANTY

### Structural Lifetime Warranty

DIVINE Flooring guarantees the original purchaser a life time warranty on the structure of the flooring boards. The structural warranty is valid if the site environmental conditions are met, including and maintaining recommended relative humidity all year round. Subfloor pre-installation evaluation, moisture content level requirements, subfloor preparations or

subfloor leveling must all meet DIVINE Flooring requirements specified in our Installation Guide.

### Finish Warranty

DIVINE Flooring guarantees the original purchaser that the surface finish on its DIVINE Flooring prefinished hardwood floor will not wear through or separate from the wood for a period of:

- **Twenty-five [25] years** from the date of purchase, effective for all flooring purchased after January 1, 2006, when used under normal **residential traffic conditions**.
- **Thirty-five [35] years** from the date of purchase, effective for all flooring purchased on or after March 1, 2015, when used under normal **residential traffic conditions**.
- For more information on the warranty, consult the DIVINE Flooring Warranty. In the event of a discrepancy between the information in the Installation Guide and the DIVINE Flooring Warranty, the latter shall prevail.

## FLOOR CARE PREVENTION TIPS

For information on floor care prevention, consult DIVINE's Residential Maintenance guide on our website [divinefloor.com](http://divinefloor.com).

## RECOMMENDED TOOLS, MATERIAL AND ACCESSORIES

- Vacuum cleaner or broom
- Scraper
- Leveling bar
- Level
- Leveling compound *[optional]*
- #20 grit sand paper *[optional]*
- Wood and/or concrete moisture meter
- Miter saw
- Handsaw
- Security glasses

- Claw hammer
- Nail punch
- Pry bar
- Square 16" x 24"
- Measuring tape
- Chalk line
- Reversing tongues *[optional]*
- DIVINE touch-up kit
- DIVINE maintenance kit

## GLUED DOWN INSTALLATION

### Recommended Adhesives:

- Use adhesive that meets the performance criteria described in DIVINE Technical Bulletin.
- Trowel recommended by adhesive manufacturer as tooth size is important for ensuring optimal strip adherence to subfloor.
- 2" [50 mm] concrete nails and 1" x 3" x 8' [25 mm x 75 mm x 245 cm] laths for first row holding block.
- 3M ScotchBlue™ 2080 or easily removable equivalent.  
\* *Must be an approved tape to be in contact with wood floor finishes. Also note, these tapes generally have a time limit before they can start to damage your finish. Refer to manufacturer's guidelines.*
- 100 to 150 lbs [45 to 68 kg] roller.
- Remover towels for hand and tool cleaning.
- Adhesive cleaner.
- Recommended membrane and acoustic membrane, when necessary.

## NAILED DOWN INSTALLATION

- Nailers and stapler.
- 1-1/2" [38 mm] to 2" [50 mm] nails or staples.  
\* *Staples or nails length depends on the stapler or nailer selected for the installation.*
- Power drill and 3/32" [2 mm] bit.
- Finishing nails 2-1/2" [63 mm].
- Flooring screws.
- #15 black felt paper [or equivalent].

Prefinished accessories such as reducers, stair nosing, etc. are available from your DIVINE Flooring Authorized dealer.

**Note:** DIVINE Flooring cannot be held responsible for any floor damage resulting from use of inadequate tools.

## HANDLING AND ACCLIMATIZATION

Prefinished hardwood floor installation **requires a little more time and precaution than unfinished flooring**; handle with care to avoid board surface and finish damage.

## PRE-INSTALLATION CHECK LIST/BASIC REQUIREMENTS

- Hardwood floor installation should be the very last step of any construction or renovation project.
- Prior to installation, heating system must be in operation, and room temperature must have been maintained at  $\pm 72$  °F [ $\pm 22$  °C] for at least one week.
- To avoid any moisture-related damages, subfloor must be dry and basement well ventilated.
- **Relative humidity must be maintained around 45%** [between 30 and 60%] at all times. Subfloor moisture level check **wooden subfloor moisture reading must not exceed 12%** and differential between boards and subfloor must be less than 4%. Wood moisture meters are available from your DIVINE Flooring Authorized dealer. If moisture reading is too high, postpone installation, find moisture source and correct it if needed, raise heat and increase ventilation until proper conditions are met.  
**Acclimatization:** Keep boxes of wood in room where flooring is to be installed for at least 24 hours before installation. This allows the wood to acclimatize to the recommended indoor conditions. **Owner and installer are solely and jointly responsible for pre-installation subfloor moisture level check and must ensure that all conditions and/or specifications listed in this guide have been thoroughly met prior to installation of hardwood floor.**

## SUBFLOOR PREPARATION

- Installation requires minimum 5/8" [16 mm] plywood, or 23/32" [18 mm] OSB chipboard subfloor, if installed over 16" [400 mm] center-to-center joist sub-structure.

**Structurally Sound:** Wooden subfloor must be securely screwed down to joists to prevent any movement or squeaks. Thoroughly inspect and replace existing floor or subfloor that shows evidence of water damage or structural weakness.

**Level/Flat:** Subfloor surface must be flat and maximum tolerance is 3/16" [5 mm] per 10' [3 m]. If necessary, flatten down any irregularities, using #20 grit paper or correct uneven spots.

**Dry:** Subfloor must be dry and within moisture reading specs.

**Clean:** Vacuum and free subfloor from any debris or obstacles such as cleats, nail heads, dried glue or any other material.

## PREPARATION

- Sketch installation to avoid surprises.
- Decide starting point or wall.
- Decide layout angle; perpendicular 90 degree or angle at 45 degree installation to joists is recommended.
- Remove any baseboard, doorsill and old floor covering if necessary.
- Trim bottom of the doorstop with handsaw to insert boards underneath.
- Lay felt paper [or equivalent] on the entire floor surface.
- To enhance the floor's look, lay out the floor boards throughout the room in the same way they will be installed in order to ensure a good mix of colors and nuances of tone. Remove or relocate any boards you do not want. Start by selecting the boards that will best go with the transition moldings.

## Nailed Down Installation Instructions

Wear your security equipment and maintain a safe environment at all times.

### STEP 1 STARTING POINT

- Using a chalk line, trace guideline parallel to starting wall and perpendicular to adjacent one. To trace guideline, add 3/4" [19 mm] to board width to account for expansion gap and board tongue.

*For example, if installing 2-1/4" [57 mm] boards, trace guideline at 3" [76 mm] from starting wall.*

### STEP 2 BOARD LAYING

- It is very important that installation be started straight and square.
- Carefully select boards, remove imperfections and save boards with high color variation for hidden places.
- Align first board tongue side with starting line, A grooved side facing starting wall; leave 1/4" [6 mm] gap from right side wall E which is perpendicular to starting line. Drill and nail board vertically as close to wall as possible to hide nail heads when baseboards and quarter rounds are in place. Install subsequent boards from right to left until ready to trim row end board.
- To minimize trim waste, select board long enough for row end, so that remaining trimmed end may be used to start subsequent row. Leave 1/4" [6 mm] gap at end of each row.
- First board of second row must be at least 6" [150 mm] shorter or longer than that of first row. Cross joints must be staggered by at least 6" [150 mm] from one row to the next. Avoid lining the joints up or having them follow too regular a pattern.
- Since wall proximity prohibits use of nailer, use finishing nails approximately every 4" [100 mm] alongside tongue for first few rows, and punch nail heads down.
- Subsequent rows must be installed the same way, using the nailer [see nailer tips at side]; nail or staple boards every 8" to 10" [200 to 250 mm], but at least 3" [75 mm] from each board end.
- Because of wall proximity, installation of last 4 or 5 rows is identical to installation of first few rows. You might have to rip-saw last row of boards to leave required 1/2" [12 mm] gap along side finishing wall.

**Note:** *Extremely precise board milling may require use of tapping block for better tongue and groove fit.*

### STEP 3 ACCESSORIES INSTALLATION

- If applicable, install transition moldings, stair nosings and reducers.
- If applicable, reinstall baseboards and quarter rounds, making sure to nail them only to walls and not to floor [to allow free floor movement].

## STEP 4 POST-INSTALLATION

- Set a few boards aside in case of future repairs.
- When installation is completed, vacuum floor thoroughly, spray light mist of DIVINE Floor Cleaner on terry cloth mop and mop the floor clean.

### NAILER TIPS WARNING

To avoid damaging boards during installation:

- Ensure that nailer base plate remains clean and free from nicks at all times.
- When nailer is not being used, place on piece of plywood or cardboard, but never directly onto floor.
- Ensure that nailer base sits flat on floor and plumb against tongue before nailing board down.
- Check base plate condition and proper operation of manual nailer regularly.
- Hold nailer firmly in place and hit nailer head with rubber mallet.

- Before starting installation, test and become familiar with nailer operation, even if a few boards must be sacrificed.
- Pneumatic nailing power is much more effective when nailer is used from a standing position.
- Set and check air pressure regularly, keeping in mind that different hardwood species or subfloor types require specific air pressure settings.

For more information, please contact your DIVINE Flooring Authorized Dealer or consult our website at [divinefloor.com](http://divinefloor.com).

If the authorized dealer is unable to resolve your inquiry, please contact our Technical Services Department at DIVINE Flooring directly by email or phone.

#### DIVINE Flooring

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