



INSTALLATION INSTRUCTIONS FOR PREFINISHED ENGINEERED PLANK FLOORING.

MESSAGE TO THE INSTALLER.

It is important to understand the requirements of the installation process to obtain the best results. Please read the instructions carefully. If you have any question, contact the store/dealer where the Multi-Plank was purchased.

INSTALLER/OWNER RESPONSIBILITY.

Beautiful hardwood flooring is a product of nature. Therefore, it is not flawless. The accepted industry standard permits a defect tolerance of up to 5%. The use of stain, wood putty, filler wax or putty stick, for correcting defects during installation is an accepted industry procedure. The installer/owner of a Satin Finish Floor has final quality inspection responsibility. Prior to installation, carefully examine all flooring. Do not install flooring that is doubtful of grade, manufacture, or factory finish over and above 5% industry standard. Any such concerns should be directed immediately to the place of purchase. Satin Finish Hardwood Flooring will refund the cost of materials that it finds to be unacceptable. Indirect cost such as labour cost resulting from the installation of defective material will not be refunded.

JOB SITE INSPECTION.

- The site should be completely closed in (windows and doors in place).
- All work such as plastering, plumbing, drywall taping, concrete etc. should be complete prior to installation (minimum of 60 days for concrete).
- Crawl spaces must have ground cover. They must be dry and well ventilated.
- A temperature of 16-21° C should be maintained for a minimum of 5 days prior to the installation and year round thereafter.

MATERIAL AND EQUIPMENT

- Band saw or jig saw (for circular cutting).
- Table saw or chop saw.
- Combination style cutting blade.
- Hammer.
- Centre punch.
- Power drill.
- Broom.
- Chalk line.
- Tape measure.
- Tapping block.
- Last board puller.
- 1-1/2" Finishing Nails.

METHOD #1 – STAPLE DOWN INSTALLATION.

Use the following recommended tools and accessories:

- Spot nail Pneumatic stapler product code # NAPI.
- Air hose & compressor.
- 1-3/8" staples, product code #NA 13/8PI (coverage: 500 sq.ft./box) available through dealer.

METHOD #2 – GLUE DOWN INSTALLATION.

Use the following Recommended Tools and accessories

- ◆ Multi-Stik Adhesive
- ◆ Trowel-Franklin 3/16" w x 1/2" d x 11/16" apart V-notch
- ◆ 3M masking tape (Blue Colour) or equal

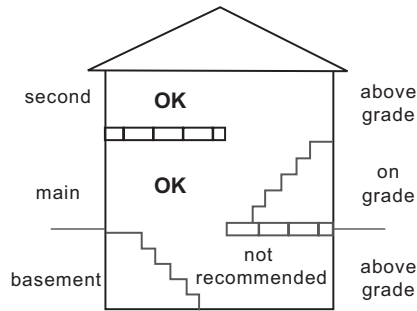
METHOD #3 – NAIL DOWN INSTALLATION.

Use the following recommended tools & accessories:

- Primatech R610 adjustable manual nailer, (adjust to properly line the driving blade to seat cleat into the Multi-Plank's tongue flush). Use only Primatech's R610 – 1/1/4" cleats.

SUB-FLOOR AND JOB SITE PREPARATION

Note: Any potential problem area in the sub-floor should be addressed prior to the installation.



SUB-FLOORS

- **PLYWOOD:** A minimum of 5/8", tongue and groove, exterior grade, nailed or screwed every 6" along joist, seams and field area.
- **CONCRETE:** Smooth and level with a minimum 60-day strength. 6 mil polyethylene film between ground and slab. Do not use a type of sealer. Test moisture content in several areas with a moisture meter, carefully reading the instructions.
- **OSB:** 3/4" (23/32) approved grade.
- **1" x5" DIAGONAL BOARDS:** Eliminate or replace any loose boards and nail and/or screw down 5/8" plywood every 6" along joist, seams, and field area.
- **RADIANT HEAT:** Run the heating system for at least 72 hours prior to installation, turn boiler down and allow the floor to reach room temperature. Immediately after installation, turn the boiler to a normal setting. Please note the maximum slab temperature of 29.4° C (85° F).
- **RESLIN TILE:** If tiles are securely in place, clean thoroughly with a good detergent (any wax coating must be removed). If the tiles are not securely in place, install a suitable underlay directly over the tile.

CAUTION: Do not sand existing vinyl floors for they may contain dangerous asbestos fibers that are harmful to you health/can cause fatality.

SUB-FLOOR INSPECTION

- **DRY:** Moisture/humidity is the main cause of hardwood failure. It is imperative that the sub-floor (wood, concrete, ceramic, or resilient tile) be continually dry year round with no more than a 5% variance in moisture content with that of the hardwood flooring (6-9%)
- **STRUCTURALLY SOUND:** Eliminate any squeaks by nailing or screwing down problem areas in the sub-floor. Underlying joists may have to be reinforced.
- **LEVEL:** Maximum detection tolerance of 3/16" over a span of 10ft. (1/8" over 6ft.). Fill in low areas with a recommended underlayment, patch or leveling compound to a maximum thickness of 1/8" (material should be thoroughly dry before continuing any work).
- **CLEAN:** Dry scrape. Grind and/or sand any foreign material for the sub-floor and sweep up all debris to ensure clean working area.

TIP: Under cut all door casings trim 5/8" to allow Multi-Plank to fit underneath (vacuum clean).

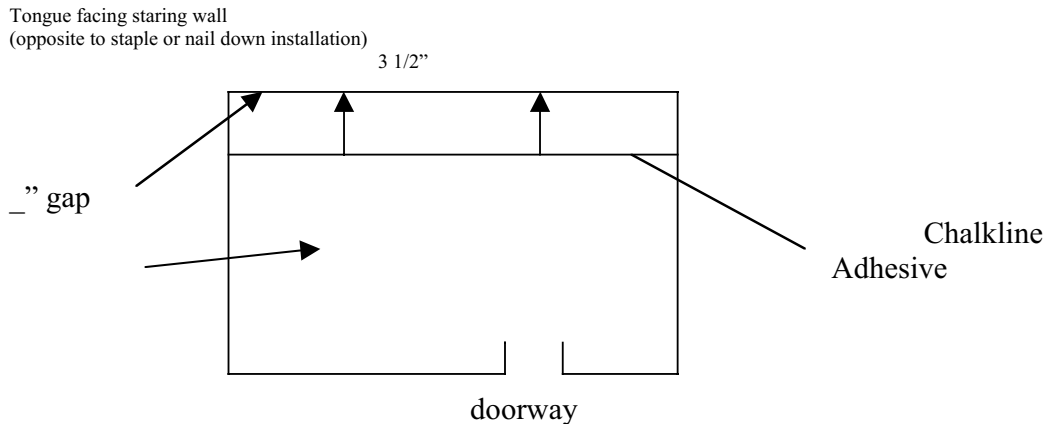
STAPLE DOWN INSTALLATION

1. Determine what direction the flooring is to be laid. Normally, the planks will run perpendicular to the underlying joist (parallel to the longest wall in the room).

TIP: Always check with the homeowner to confirm the layout.

2. Repair any problems in the sub-floor and then broom sweep or vacuum the installation area.

3. Snap a chalk line a distance of 3/4" from the starting wall.



4. Start by placing Multi-Plank on the floor with the outside edge of the tongue aligned with the chalk line leaving a 1/2" gap between the plank and the wall for expansion/contraction.

5. Pre-drill the face of the first row of Multi-Plank boards. Use 1/4" finishing nails to secure the boards. Hole should be approximately 2" from the ends of the boards, 1-1/2" from the groove and continued at 10-12" intervals along the length of each plank.

6. Remember to leave a 1/2" gap around the installation perimeter to allow for expansion/contraction.

7. Use a centre punch to counter sink the face nails and fill the holes with matching wood filler, or putty.

TIP: Drilling the holes into the darker grain areas (rather than lighter areas) will make them less noticeable.

8. Pre-drill holes directly through the Multi-Plank tongue at 45° angle and blind nail using a 1-1/2" nails for the first row.

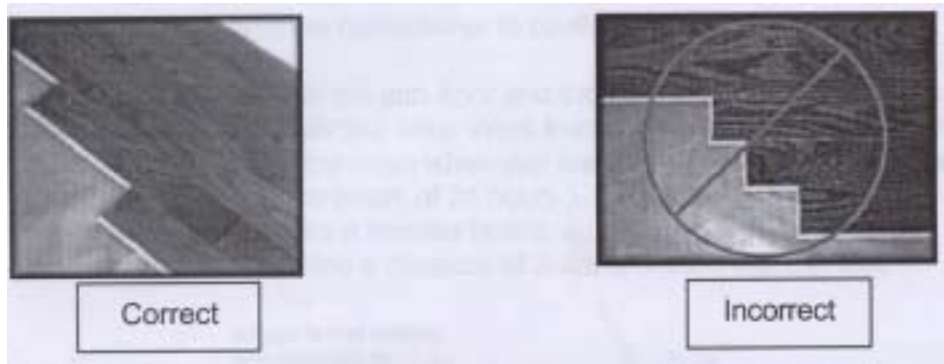
TIP: Nails longer than 1/2" will damage the tongue. The recommended tool to do the job is a pneumatic brad nailer.

9. Use the Satin Finish spot nailer #NAPI stapler for the field area with the air hose, proper fittings and an air pressure of approximately 85-100 lbs. **NOTE:** Make sure the air pressure is not too high as it may cause the tongue to fracture/split, also that the staple doesn't penetrate more than 1/32" maximum

- below the tongue's surface. Staple at 6"- 8" intervals along the length, and from the ends of each board. If the staples are seating on top of the tongue they may interfere with the engagement of boards, therefore increase the air compressor pressure and check again.

TIP: It's a good idea to use gray duct tape wrapped around the head and bottom plate of the nailer to prevent any marring of walls, trim, and flooring.

10. Work from several cartons to ensure a random mix of the various grain patterns and colouring. Do not create a pattern. Stagger seams (at least 6" away from previous row). Avoid clustering.



11. The last few rows will be face nailed.

12. Counter sink nails and fill the holes (use the same procedure followed for the first row).

13. To engage the last boards use a tapping block. (DO NOT USE A RUBBER Mallet). The Satin Finish product number staple #NA 13/8 PI is designed for Multi-Plank. See the floor-covering dealer for information. Use only the recommended staple size as outlined. Recommended staples at a spacing of 6"- 8" (1-1/2" from each end).

TIP: Test the stapler using a scrap piece of Multi-Plank to determine the staple placement.

NAIL DOWN INSTALLATION

- Use the same procedure for NAIL DOWN INSTALLATION as you would for STAPLE DOWN INSTALLATION (numbers 1-8).

9. Blind nail the first couple of rows until it is possible to use the Primatech R610 manual nailer (spot check to ensure that the cleats are properly seated flush or countersunk into the tongue not more than 1/32”).

- Always use the light weight Primatech mallet that comes with the R610 manual nailer.
- Striking the nailer too hard or use any other mallet may cause the surface face of Multi-Plank to become dented
- Follow STAPLE DOWN INSTALLATION NUMBERS 10 to 13 to finish.
- NOTE: Do not use any $\frac{1}{2}$ ” nailers with $\frac{1}{2}$ ” adapter plates as these nailers apply too much force and could cause damage to Multi-Plank wood.
- Occasionally check alignment or R610 nailer to the tongue position; readjust and tighten if necessary. Use only Primatech’s 1-1/4” cleats designed for the R610 nailer.

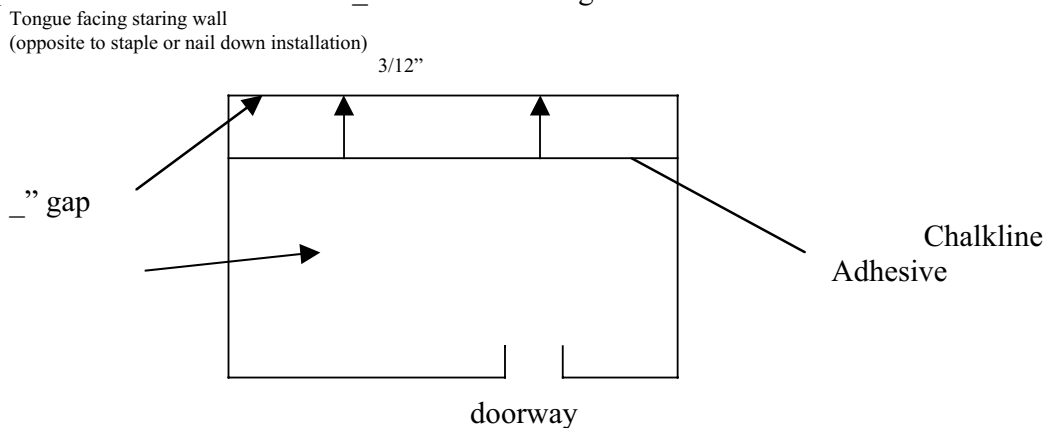
WEAR EYE PROTECTION WEN NAILING, DRILLING, OR CUTTING ANY WOOD FLOORING

GLUE DOWN INSTALLATION.

1. Determine what direction the flooring is to be laid. The planks should be installed perpendicular to the underlying joist (parallel to the longest wall in the room).

TIP: Always check with homeowner to confirm the floor layout.

2. Repair any problems in the sub-floor and then broom sweep or vacuum the installation area. Determine the starting area. Work from the furthest corner of the room leaving yourself a way to exit the room when you are done. Avoid walking on the newly placed floor until the glue is set (minimum 24 hours). If the job conditions require you to work on the newly installed floor use a kneeler board.
3. Snap a chalk line a distance of 3 $\frac{1}{2}$ ” from the starting wall.



4. Spread Multi-Stik adhesive over an area that can be completed within 2 hours (approximately 24” out from the chalk line and across by a reasonable width). To achieve the recommended spread rate hold the trowel at a 45° angle pressing firmly against the sub-floor. OPEN TIME WILL VARY ACCORDING TO CLIMATE CONTIONS, (READ MANUFACTURERS ADHESIVE LABLE).

TIP: You may need more than one trowel depending on how the trowel groves wear down (especially on concrete floors).

5. Place Multi-Plank onto wet adhesive with the outside edge of the tongue on the chalk line (i.e. the tongue faces the starting wall and the groove faces the installation area). Leave approximately ” gap around the installation perimeter to allow for expansion/contraction. Carefully check the first row for straightness and adjust any places that are out of alignment. This first row will determine the alignment of subsequent rows and thus the whole floor.

TIP: If Multi-Plank is installed on a wooded sub-floor and the installation is by glue down, the first row can be face nailed to maintain the boards straight on the chalk line.

6. Position each piece of Multi-Plank into place by inserting the long tongue into the long groove as close as possible to adjoining short end. Using a tapping block to achieve tight fit at the seams and a last board puller for those hard to reach areas. **Do not** slide the boards through the adhesive. This will prevent them from shifting as the adhesive dries (the boards will tend to move back to the position were placed). In addition, this method minimizes the amount of adhesive that surfaces onto the face of the boards,

IMPORTANT: Clean up each section as it is completed removing any adhesive from the face of the boards. See adhesive label for cleaners (Bostik towels make cleaning up easy). Any areas that are missed can be wiped up later with Bostik Concentrated Adhesive Remover or mineral spirits. Dried adhesive is difficult to remove and must be softened before it can be removed.

7. Work from several cartons to ensure a random mix of the various grain and colour patterns. Do not create a pattern, stagger end seams (at least 6” away from previous row). Avoid Clustering. See Figure #5.

8. To engage the boards use a tapping block or rubber mallet.

9. As each section is completed, tape the boards together to prevent minor shifting and consequently gaps between the seams.

a) As you completed the field area, you may have to cut along the width of the last Multi-Plank board to ensure a ” gap between the wall and the Multi-Plank board. This allows for possible expansion.. You can also face nail the last board (if on a plywood sub-floor) countersink nail and use wood filler to cover nail hole.

10. Avoid any traffic on the new floor for at least 24 hours, in order for the glue to set up and gain sufficient bond to secure the boards.

MAINTENANCE

Vacuum clean and dry mop your floor frequently to remove loose dirt or grit, which can potentially scratch the surface of you floors. To clean your new Multi-Plank floor, use Satin Finish Harwood Flooring cleaner (see your local flooring store), carefully following the directions on the label. Do not use detergents. Never use water as it may damage any hardwood product. Avoid pouring cleaner directly on the floor. Wipe up soils as soon as possible. A cloth dampened with mineral spirits can remove grease, crayon, etc. To protect your floor use walk off mats at entrances and felt protectors on chairs, sofas tables, etc. Never slide any heavy objects or appliances. If at any time you wish to refinish you Multi-Plank floor, contact a professional finisher and use only Satin finish products. Multi-Plank provides a 6mm wear layer, which will allow for sanding and a change of satin/colour thus prolonging the life of the floor. See a floor-covering retailer for more information.

NOTE: See Satin Finish Maintenance Instructions