

FLOORING INSTALLATION PLAN & PERMANENT JOB RECORD

Note: This Form was designed generically for your use with all wood flooring products. It is a tool designed to assist everyone in the wood flooring channel by providing a checklist that addresses most issues that can occur with wood flooring. This has been developed utilizing decades of experience. In particular, it forces one to get owner signoff on the product on site, eliminating the all too common complaint “my installed floor looks different from the samples from which I chose the floor” when they see the floor installed for the first time!

INSTALLER RESPONSIBILITIES:

- Fill out this Installation Record completely and keep as your Permanent Job Record.
Note:
 1. For multiple sub-floor types on the same project, make a copy of page 5 and fill out one for each sub-floor type.
 2. For different floor species/formats being installed, make a copy of the appropriate sections and fill out one for each type.
- Research any potential issues with the specific species you are about to install prior to starting.
- Make sure the sub-floor is suitable for the installation of wood flooring.
- Plan for the site specific equilibrium points for wood on this site. Test for any moisture/humidity related issues and take proper remedial actions prior to commencing installation.
- Follow all recommended installation instructions
- Make sure to review with the owner, the owner checklist section above and get their signoff both prior to commencing installation and once the installation is complete.
- Educate the owner on what to expect from wood flooring and how to care for it after installation.

Project Background:

Flooring Installation #: _____

Installation Date: _____

Installation Manager: _____

Installation Co: _____

Address: _____

City/ State/ Zip: _____

Phone #: _____

E-mail Address: _____

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Installation Crew performing the work: _____
 Project Name: _____
 Subcontracted from: _____
 Phone #: _____
 Site Owner: _____
 Address: _____
 City/State/Zip: _____

Flooring Bought From: _____

Copy of Invoice attached: Yes No
 Copy of Packing List attached: Yes No
 Copy of flooring box label attached: Yes No
 Copy of installation instructions attached for: _____

We recommend you attach this information to this "Permanent Job Record" for easy referral.

Flooring being installed: Yes No
 Mastic (if any) being used: Yes No Mastic Name: _____

Brand Name of Flooring Product being Installed: _____
 Solid or Engineered? Solid Engineered
 Thickness: _____
 Width: _____
 Flooring Format: _____
 Pre-finished: Yes No
 Grade: _____
 Stain Color (if any): _____
 Batch #: (from box label): _____
 Square Footage Installed: _____

Note: Copy and fill out pages 1 through 4 and pages 6 through 11 for each flooring type installed on the same project.

Flooring Type: _____

Flooring Shipment Receipt Checklist:

Is the quantity received correct? Yes No
 Is there any visible signs of shipping damage?
 If yes, describe. Yes No

Are there any visible signs of water damage?
 If yes, describe and check further. Yes No

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Is the flooring received correct as to Species? Yes No

Width ? Yes No

Thickness ? Yes No

Length range ? Yes No

Grade ? Yes No

Stain Color (if any) ? Yes No

Finish (if any) ? Yes No

Bevel (if any) ? Yes No

Did you get Installation Instructions? If yes, attach a copy. Yes No

Did you get Maintenance Instructions? If yes, attach a copy. Yes No

We recommend that you obtain this information and attach to "Permanent Job Record" for easy referral.

Note: If you answered "No" to any of the above, please visit our website, www.themissioncollection.com, and download the correct information.

Have you ordered the necessary trim/molding pieces such as nosings, reducers, etc., in order to complete the project? Yes No

Flooring Shipment Quality Check-in Checklist:

Check the Flooring Quality by "dry" racking out a few bundles and check for the following: Moisture

Content (write readings in section below):

_____ % _____ % _____ % _____ % _____ % _____ % _____ % _____ %

Flooring Fit on edges and ends (tongue and groove) Rack out a bundle.

- 1) On edge Okay
- 2) On end Okay
- 3) Grade Okay
- 4) Finish Okay

If acceptable to you, then proceed and get the project owner/designer, (or whomever has final acceptance responsibility,) to review the flooring with you and physically signoff on each of the following issues using the dry racked bundles of flooring you laid out above as the sample flooring they sign off on.

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OWNER SIGNOFF - Before Installation:

Confirm with the Owner that the flooring matches the samples they have chosen. Discuss and get their signoff on the following items you have reviewed with them concerning this particular batch of flooring before commencing installation.

Please mark checkboxes after the items are reviewed and they are acceptable.

- Color of wood (& stain, if any) is acceptable.
- Color Range acceptable – review what to cull out and/or hide (if any) is acceptable and we will cull/hide the following:

-
- Color Change to be expected – review how this wood species will change color over time has been communicated.
 - Wood Grain Selection (if any) is acceptable.
 - Character/Grade is acceptable.
 - Finish gloss level (for PF) is acceptable.

The above items have been reviewed with me and I am satisfied with the flooring about to be installed.

Owner Signoff _____

OWNER SIGNOFF - After Installation:

Review the following items with the Owner/End User after installation in order to properly set the correct expectations for wood flooring's use and expected future performance:

Please mark checkboxes as the items are completed only.

- Review Finish Limitations and Warranty limitations – in particular, review with them how the finish and wood will scratch and dent and how to minimize this.
 - A copy of the Warranty has been given to the owner.
- Review Seasonal movement to be expected in their flooring due to changes in relative humidity.
- Review the Maintenance Instructions with them and in particular, how water and wood don't mix.
 - A copy of Maintenance Instructions has been given to the Owner.
- Review what "Attic Stock" remains and how they should save this in a dry place for possible use in replacing damaged floor boards in the future.
 - How many sqft. were left as Attic Stock: _____

The above items on what to expect from your wood floor have been explained to me and I have received copies of my warranty and Maintenance Instructions:

Owner Signoff _____

FINAL OWNER SIGNOFF:

Floor has been installed to my satisfaction: Yes No

Final Owner Signoff _____

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Sub-floor/Area being installed on: _____

Site Specific Installation Items

Where is the flooring being installed?

Note: Use a new sheet for each different sub-floor type being installed on in the same project.

- **Room Name:** _____
- **Grade**
 - Above Grade – over basement – over crawl space
 - Above Grade
 - Below Grade
- **Outside Conditions**
 - Has good drainage away from building, if not, document.
- **Type of Subfloor**
 - Concrete
 - Shows signs of past water issues, if so, document and take preventative measures.
 - Plywood (thickness: _____)
 - Other: _____ (thickness: _____)
- **Subfloor Conditions**
 - Level & Flat - Yes No If not, correct.
- **Special Conditions**
 - Over Radiant Heat - Yes No
 - Other: _____

Site Heating

What type of heating system:

- Oil
- Gas
- Electric
- Heat
- Pump
- Radiant
- Other: _____

- Are there any Wood Stoves/Heat? Yes No
- Is there Central Air conditioning? Yes No
- Is there Central Humidification? Yes No
- Is there Central Dehumidification? Yes No

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Site Specific Items

Site Moisture Related Conditions & Tests Results:

Date readings taken: _____

Relative Humidity reading: _____%

Temperature reading: _____

Equilibrium Point: _____% (Refers to Equilibrium Chart on last page)

Moisture Content of sub-floor: _____% _____% _____% _____% _____%

Subfloor reading taken with what type of meter: _____

Subfloor reading taken with what type of test (if not w/meter): _____

Is the subfloor too wet to install this floor? Yes No

If subfloor is too wet, what corrective actions have been taken to avoid floor failure: _____

Moisture Meter used: _____

Moisture Meter settings used: _____

Species Corrected? _____

Note: As each species has different electrical properties, you need to adjust the readings the meter reads for the species being tested. Yes No

See specific meter instructions for more information.

Moisture / Equilibrium Jobsite Plan

Date: _____

Moisture Content of other wood elements on the jobsite were found to be:

Moldings	Doors	Cabinets	Other:	Other:
%	%	%	%	%

Projected equilibrium content for the wood flooring on this site is expected to be: _____%

Actual moisture content of the wood flooring at time of installation: _____

What is the expected moisture equilibrium points the wood flooring will reach in each of the following seasons?

	Actual Moisture Content at Installation #1	"Best Guess" – Projected Moisture Content % #2
Summer:		
Fall:		
Winter:		
Spring:		

Note: #1 - Fill out actual Moisture Content % above on the correct season line you installed the floor.
 #2 - Fill out your best guess as to what the moisture content will reach in the installed flooring in each of the above seasons given your knowledge of the geographic area and the site heating/air conditioning.

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Addendum A

Is site relative humidity below 35%?

- If yes, what is the humidity _____%
- Did you explain to owner the probability of shrinkage cupping in the wood floor after installation?

If a solid wood (not engineered) floor, have you equalized the wood floor?

- What was the starting Moisture Content? List six readings:
 _____% _____% _____% _____% _____% _____%
- How long did you equalize the wood flooring for? _____
- What was the moisture content of the wood flooring just before installation and after equalizing it?
 List six readings:
 _____% _____% _____% _____% _____% _____%

Flooring Installation

Flooring being installed: _____

Installation Method:

- Gluedown** - If yes, please answer the following:
 - Which mastic used: _____
 - Which trowel size used: _____
 - Did you follow mastic manufacturer's instructions?
 - Yes (please attach copy) No
 - Did you use tape to hold pieces together while glue set?
 - Yes (what type: _____) No
 - Did you clean up any glue that got on the flooring face as you went?
 - Yes No
- Nailed** - If yes, please answer the following:
 - Which gun used: _____
 - Air pressure setting: _____
 - Which nail length used: _____
 - Nailing spacing: _____
- Stapled** - If yes, please answer the following:
 - Which gun used: _____
 - Air pressure setting: _____
 - Which size staple: _____

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Flooring being installed: _____

If flooring was nailed or stapled, have you made sure:

1. The nailed tongue is holding down the adjacent groove side to the sub-floor without allowing up/down movement?
 Yes No
2. The act of nailing/stapling is not causing dimpling on the face or edge chipping?
 Yes No
3. Was flooring installed directly onto the sub-floor without any sound/moisture barrier in between?
 Yes No – there was a moisture/sound barrier in between

If yes, what type of sound / moisture barrier was used on top of the sub-floor?

- | | | |
|---------------------------------------|--------------------------------------|---------------------------------------|
| <input type="checkbox"/> Plastic Film | <input type="checkbox"/> Rosin paper | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Sheet Vinyl | <input type="checkbox"/> Cork | |
| <input type="checkbox"/> Felt paper | <input type="checkbox"/> Foam | |

How was the Sound/Moisture barrier applied to sub-floor?

- Loose Laid
 Glued down

If so, with what adhesive? _____

- Nailed/tacked/stapled

If flooring was floated:

- (a) What underlayment moisture barrier used? _____
- (b) What underlayment foam used? _____
- (c) What type of glue used for the T & G? _____
 - (i) Was it applied in continuous bead? Yes No
 - (ii) To the side match? Yes No
 - (iii) To the end match? Yes No
- (d) Did you use tape to hold pieces together while glue set?
 Yes What type: _____ No
- (e) Did you clean up all the glue that got on the face as you went? Yes No
- (f) What type of tapping block was used? _____

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Flooring being installed: _____

Project Clean-up

(a) Was floor covered at anytime during/after installation?

Yes No

If yes, then:

(i) How long was it covered for? _____

(ii) What material was used to cover it? _____

(iii) How was the material held down – what kind of tape? _____

(b) Was floor buffed with lambs wool to pull any edge/end splinters?

Yes No

(c) Were the floor edges treated with Fill and Finish to help retard joint moisture penetration?

Yes No

(d) Any other Clean-up steps taken?

Signed by: _____

Date: _____

Keep on File as Permanent Job Record and attach all invoices and product labels and instructions.

Expected Equilibrium Moisture Content Chart

Temp	5%	10%	15%	20%	25%	30%	35%	40%	45%	50%	55%	60%	65%	70%	75%	80%	85%	90%	95%	98%
30 F	1.4	2.6	3.7	4.6	5.5	6.3	7.1	7.9	8.7	9.5	10.4	11.3	12.4	13.5	14.9	16.5	18.5	21.0	24.3	26.9
40 F	1.4	2.6	3.7	4.6	5.5	6.3	7.1	7.9	8.7	9.5	10.4	11.3	12.4	13.5	14.9	16.5	18.5	21.0	24.3	26.9
50 F	1.4	2.6	3.6	4.6	5.5	6.3	7.1	7.9	8.7	9.5	10.3	11.2	12.3	13.4	14.8	16.4	18.4	20.9	24.3	26.9
60 F	1.3	2.5	3.6	4.6	5.4	6.2	7.0	7.8	8.6	9.4	10.2	11.1	12.1	13.3	14.6	16.2	18.2	20.7	24.1	26.8
70 F	1.3	2.5	3.5	4.5	5.4	6.2	6.9	7.7	8.5	9.2	10.1	11.0	12.0	13.1	14.4	16.0	17.9	20.5	23.9	26.6
80 F	1.3	2.4	3.5	4.4	5.3	6.1	6.8	7.6	8.3	9.1	9.9	10.8	11.7	12.9	14.2	15.7	17.7	20.2	23.6	26.0
90 F	1.2	2.3	3.4	4.3	5.1	5.9	6.7	7.4	8.1	8.9	9.7	10.5	11.5	12.6	13.9	15.4	17.3	19.8	23.3	26.0
100 F	1.2	2.3	3.3	4.2	5.0	5.8	6.5	7.2	7.9	8.7	9.5	10.3	11.2	12.3	13.6	15.1	17.0	19.5	22.9	25.6

From US Dept of Agriculture "Wood Handbook as an Engineering Material"