

<u>9/16"</u>	NorthPointe
14mm	
<u>1/2"</u>	RidgeCrest
12.7mm	
<u>1/2"</u>	Chalmette
12.7mm	
<u>3/8"</u>	Meadowview
10mm	

GLUE OR STAPLE

**Engineered Flooring
Staple Down Installation**

<u>5/16"</u>	FootHills
8mm	

GLUE DOWN ONLY

STAPLE DOWN INSTRUCTIONS

ATTENTION

Inspect **ALL** materials carefully **BEFORE** installation. Warranties **DO NOT** cover materials with visible defects once they are installed.

It is the responsibility of the installer/owner to determine if the job site subfloor and job site conditions are environmentally and structurally acceptable for wood floor installation. Mullican Flooring declines any responsibility for wood floor failure resulting from or connected with subfloor, subsurface, job site damage or deficiencies after hardwood flooring has been installed.

STAPLE DOWN INSTALLATION

TOOLS: Staple down using 1 1/4" to 1 1/2" staples depending on product. 15 to 18 gauge, 3/16" Crown staples. **Do not use staples or nails intended for 3/4" solid flooring.**

New wood type subfloors should also be checked for moisture using a moisture meter. In general wood or plywood subfloors should not exceed 14% moisture content, or 4% moisture content difference between hardwood flooring and subfloor. Check with your local distributor for your geographical variances.

Subfloor: Must be of sound construction. If subfloor has been flooded or rained on, it may not be suitable to install flooring.

- **Construction:** Plywood 5/8" minimum thickness preferred 3/4" or thicker exterior plywood installed with long edges at right angle to 16" center joists and staggered so that the end joists in adjacent panels will break over different joists. Nail at each bearing with 6d threaded and 8d common nails spaced 6" on-center along all outer bearing edges and 10" on-center along immediate joists.
- 3/4" thick OSB on 19.2" or less center joist, approved subfloor (dry & sound).
- Baseboards should be installed so that their lower edge is slightly above the level of the finished floor, but not nailed into the floor.
- Basement and crawl spaces: These must be dry and ventilated when plank or strip flooring is to be installed over them. In crawl spaces a vapor barrier should be provided. Vapor barrier must be provided below subfloor on ground.

General Staple Down Installation Instruction:

- Time at which to install hardwood flooring: Lay only after sheetrock and tile work are thoroughly dried and all but the final woodwork and trim have been completed. The building interior should have been dried and seasoned and a comfortable working temperature (at least 60° F) should exist during installation.
- **DO NOT open until ready to install.**

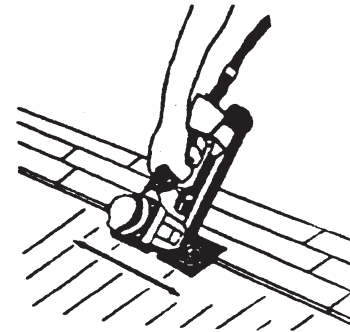
Preparation of subfloor: Subfloor irregularities and undulation may cause any wood flooring installation to develop hollow spots between the flooring and subfloor. These hollow spots are NOT the result of any wood floor manufacturing defect and are NOT covered by the Mullican Flooring warranty.

- Adequate and proper stapling as well as soundness of the subfloor should be ascertained. Foreign material shall be removed from the subfloor surface and swept clean.
- The clean subfloor surface shall be covered, wall to wall, with 15 lb asphalt saturated felt or Aquabar® B (no rosin paper). Butt the edges of this felt when positioning it.

- Laying direction for plank flooring: Flooring should be laid at right angles to the floor joists and, if possible, in the direction of the longest dimension of the room.

Note: Normally, expansion space around the room should be the same distance as the thickness of the hardwood flooring.

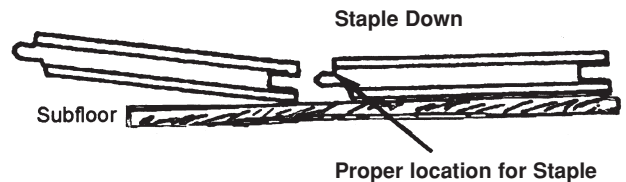
- End joints should never be closer than 4" from each other.
- Staple Engineered Plank Hardwood Flooring: The first row of products should be faced nailed and stapled. Flooring may need to be face nailed and counter sunk. Staple along tongue every 4 to 6 inches and



within 2 inches of each end joint.

Notes:

- To avoid movement in hardwood floor relative humidity should be maintained year round at 35-55%.
- The use of Mullican Flooring putty to cover small cracks or face nail holes should be considered normal in hardwood flooring installation.



FLOATING INSTALLATION

- NorthPointe and RidgeCrest 5" width can be floated in some, not all, installations. If necessary call your supplier for details.

**Trim pieces available from your
Mullican Flooring Distributor.**