



TED TODD

ENGINEERED PLANK
FLOORING INSTALLATION
INSTALLATION GUIDE

CHAPTER 6 - ENGINEERED PLANK WOOD FLOORING INSTALLATION

Please refer to Chapter 8 under floor heating guidelines if system is present or to be installed.

6.1 Site Checks

Before commencing installation ensure the requirements have been met for:

Jobsite Conditions (Chapter 1) Moisture Testing (Chapter 2) Acclimatisation (Chapter 3).

6.2 Acceptable Sub Floors

Concrete Panel Plank

Joists - 20mm products only.

Tiles

6.3 Installation Guidelines

Always check with the end-user that the correct product has been delivered and that the end user is happy with the grade and visual appearance of the floor. Open several packs at a time and mix the boards to ensure a good degree of board selection so that the installation is visually well-balanced.

Choose a starting wall according to the most aesthetically or architecturally important elements in the room, taking into consideration fireplaces, doors, cabinets and transitions, as well as the squareness of the room. The starting wall will often be the longest unbroken wall in the room but do consider all other factors such as lighting.

Engineered wood floors can be glued to the existing sub floor using Ted Todd MS Flex adhesive or floated over an appropriate Ted Todd underlay and using Ted Todd T&G Adhesive to join the planks. 20mm thick products can be nailed to timber sub floors.

Ensure a DPM or vapour retarder has been applied unless with the use of under floor heating.

The Ted Todd Fidbox monitoring system must be Installed on installations with UFH.

Careful attention must be paid to the maximum area of the installation.

Do not float engineered floors where the dimension of an installation area exceeds 6m in width and 10m in length. If these dimensions are exceeded fully bond the flooring using Ted Todd's MS Flex adhesive.

For glue or nail installations where the maximum width exceeds 8m, extra expansion should be allowed in between the rows of the boards allowing 1mm of extra expansion for every meter exceeding the maximum width. For example, a 10m wide room will require an extra 2mm of expansion distributed across the floor.

Where possible, expansion gaps must be left though doorways/archways and covered with T-sections to break up large areas of installation and a minimum expansion space of 15mm must be left around the perimeter and all vertical obstructions.



Distribute lengths, avoiding "H" patterns (as below) and other discernible patterns in adjacent runs. Stagger end joints at least three times the width of the boards, as product allows.

Figure 6.1 Avoid "H" Joints.

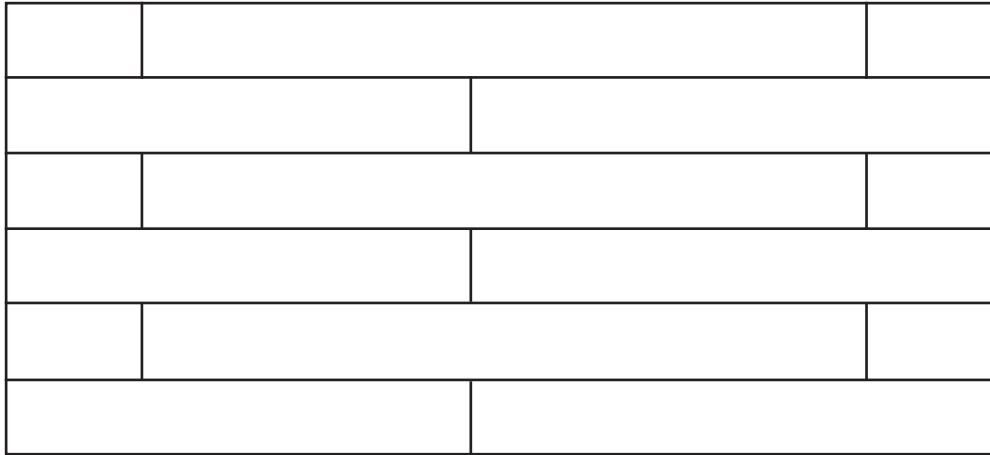
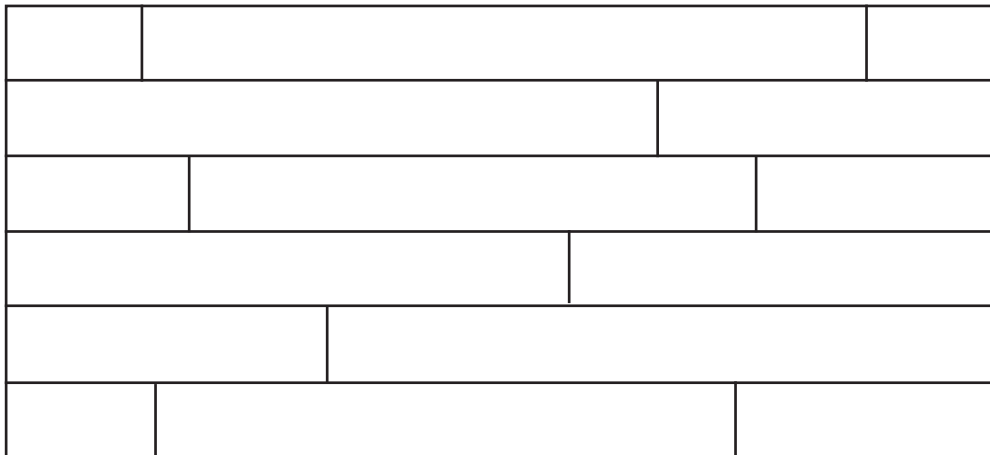


Figure 6.2 A better installation with staggered End Joints



For 2 and 3-layer engineered flooring there is frequently a bow within the board. This can be up to 25mm and therefore it is important to ensure that the first rows are laid with the boards being interlocked to around half of the length. This will ensure the boards lie flat and permit installation.



6.3.1 Glue Down Installation

Unless there is water fed under floor heating system installed apply 2 coats of Ted Todd Primerfast liquid damp proof membrane.

Tiles will require to be abraded and quartz crystals applied to the wet Ted Todd Primerfast before installation.

Snap a working line parallel to the starting wall, the width of the board, plus the tongue and recommended expansion space.

Install a starter board along the edge of the working line and begin installation.

Alternatively, lay one row of plank in Ted Todd MS Flex along the length of the working line and allow curing before starting the installation.

Please refer to Ted Todd MS Flex and Ted Todd Primerfast data sheets.

Spread the adhesive as instructed up to and along the working line. Use tensioners to maintain a tight floor.

6.3.2 Nail Down Installation

Only 20mm thick wood floors can be nailed.

This can be over any wood sub floor, refer to chapter 4 wood sub floor guidelines.

Our 20mm floors are ends matched, when installing over joists at 450mm centres there is no requirement to support head joints on a joist for normal domestic installations. If heavier point loading is expected all header joints should be supported.

If installing over solid sub flooring, planks must be laid at 45 or 90 degrees to sub floor boards or add a layer of minimum nominal 12mm Class1 plywood underlayment to the existing sub floor.

Always use Sisalkraft underlay with all nail down installations, overlapping the seams by min 100mm and returning up the wall.

Snap a working line parallel to the starting wall, allowing 15mm expansion space. Lay one row of plank along the entire length of the working line.

Top-nail and blind-nail the first row (hand-nail if necessary), using appropriate fasteners. Denser species may require pre-drilling. Each succeeding row should be blind-nailed wherever possible:

- a. Joists sub floors – Blind nail in each joist;
- b. Plank or Panel sub floors – Nail every 200 – 300mm.

During installation of flooring, push or gently tap boards flush to the previous row. Tap against the tongue using a knocking-block with a rubber mallet. Tapping the groove directly may damage the edge. To prevent damage to the finish, avoid tapping the face of the board.



6.3.3 Floating Plank Installation.

Do not install fixed items over floated engineered floors i.e. kitchen units or islands.

Do not float engineered floors where the room dimensions exceed 6m in width. Follow glue down installation methods.

All engineered plank floors can be floated over all acceptable sub floors see chapter 4 – 5.

Install an appropriate Ted Todd underlay, taping all seams with aluminium tape. Use the table below to help select the correct Ted Todd Underlay depending upon the installation and building type:

FACTOR	MEASUREMENT	BEST CHOICES OF TED TODD
Noise	dB Impact sound transmission. Broadly related to thickness.	Amphion(28dB) Bond 5mm (26dB) Blue (23dB) Olympia (23dB)
Moisture	Moisture barrier. Most Ted Todd Underlays have built-in moisture barriers.	All except Bond and Amphion. Can use the Moisture block foil
Levelling	Thickness can absorb small sub-floor surface variations)	Blue (5mm) Amphion (5mm) Bond (5mm), Oylmpia (3.6mm) Green (3.2mm)
Heat insulation	Tog value (want high, insulate from cold)	Blue (1.8), Bond 5mm (0.83)
UFH	Tog value. (Want low to aid heat transmission)	Green (Tog 0.1) Yellow (Tog 0.4)
Cost	£, Per Roll and per M2. Check latest Ted Todd price list.	Red, exceptional value £/m ² . Plus look at Bond total installation costs.
Ease of installation	Roll size, weight, packing, overlaps, cutting lines.	Blue (folded, with overlap) Bond (self-adhesive)
Compression / longevity	Density. How it performs and supports the T&G, effects of compression. Quality, weight.	Green (1000kg /m ²) Olympia (800kg /m ²)

Apply Ted Todd T&G Adhesive to top of tongue on lengths of boards and head joints ensuring the boards are clamped while the glue is left to cure.

