



**TED TODD**  
FINE WOOD FLOORS

## INSTALLATION GUIDE



*Plank*



*Narrow  
Plank*



*Wide  
Plank*



*Extra-Wide  
Plank*



*Super-Wide  
Plank*



*Herringbone*



*Chevron*



*Chantilly  
panel*



*Parquet de  
Versailles*



*Parquet de  
Chevney*



*Circular  
design panel*



*Parquet de  
Ardeche*



*8 tile  
parquet de  
versailles*



*Shrawley*



*Avery*



*Continuous  
Versailles*



*Wall  
Cladding*

## INSTALLATION OF: PLANKS - FULLY BONDED

There are 3 main methods for installing Ted Todd wood floor planks.

- Fully-Bonded (Glued down)
- Floating
- Nailed down

Decide very early in the project what is the preferred installation method with due regard to the subfloor, the type of wood floor being installed and the end-use of the area of installation.

**Always check with the end-user that the correct product has been delivered and that they are 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 the installation is visually well-balanced.**

**Agree on the laying pattern and the orientation of the planks within each room. Normally the longest run of the room is the direction the planks should be laid, but do consider other factors such as lighting, windows and doors.**

- Agree on the width balance of the planks in the room too.
- All installations should comply with BS8201.

### 3.1 Site Checks

Before commencing installation ensure the requirements have been met for:

- Jobsite Conditions, Moisture Testing and Acclimatisation (Chapter 1A, 1B and 1C).
- Ambient temperature range of 16 to 24°C.
- Ambient relative humidity of RH of 45 to 65%
- Subfloors, see Chapter 2 for a full check list.

### 3.2 Acceptable Sub Floors

- Wood-based panels, such as OSB or Plywood. Moisture content no more than 12% and no more than 2% difference with the wood floor.
- Concrete / Screed. For concrete screeds moisture content should not exceed 2% (calcium carbide measure) or RH of 65%. Anhydrite-based screeds with MC of no more than 0.5% (0.3% with UFH).
- Joists - 20mm products only. Always use a Sisalkraft type Builders Paper as a moisture barrier.
- Tiles – when flat.
- Subfloors must be Dry and Flat. (See Chapter 2.)



Narrow Plank



Plank



Wide Plank



Extra-Wide Plank



Super-Wide Plank

INSTALLATION OF: PLANKS - FULLY BONDED

3.3 Installation Guidelines,  
All Planks installations.

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. Do consider the width balance of the planks across the room too.

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

**Remember that the floor must be allowed to expand and contract under the thresholds, skirting and other joint covers.**

Door architraves can be undercut to allow for the floor planks to fit underneath and still permit the expansion and contraction of the planks.

Consider how the perimeter expansion gaps will be covered after installation. Skirting boards or scotia and other profiled shapes are available for this. They must be installed to allow for movement of the flooring planks below.

Plan to distribute lengths of planks in a fashion where the end joints are randomly-staggered. Avoid "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.

**Use the offcut from the end of one row to start the next row.**

Consider the width balance of the planks across the room. Plan ahead to ensure that opposite walls have approximately half-width planks to avoid narrow off-cuts which are difficult to install and can look odd.

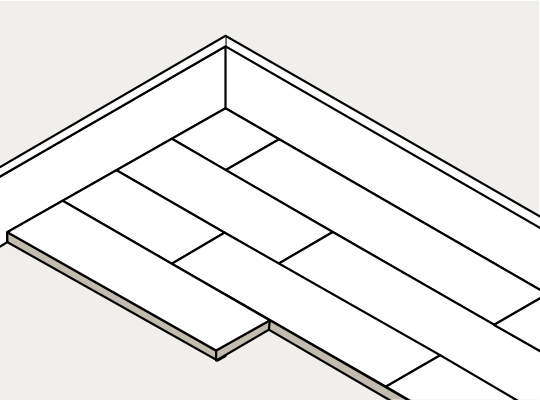





Figure 1: shows a typical arrangement of planks, using one offcut to start a row and the other to finish.




Narrow Plank




Plank



Wide Plank



Extra-Wide Plank



Super-Wide Plank

INSTALLATION OF: PLANKS - FULLY BONDED

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.

The Ted Todd Fidbox monitoring system is recommended on installations with UFH. (See Chapter 13 for extra guidelines relating to installations with UFH.

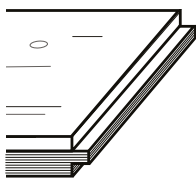


Fig 2: an example of a 2 layer engineered floor

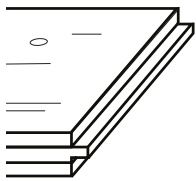


Fig 3: an example of a 3 layer engineered floor

3.4 Installation Guidelines, Ted Todd Planks. Fully-Bonded (Glued down) method.

3.4.1 Adhesive.

- Engineered wood plank floors can be fully-bonded to the correctly prepared subfloor using Ted Todd MS Flex adhesive, following the instructions for the adhesive
- The adhesive should be applied to the subfloor using a 3mm notched trowel. Always make a check to ensure that the back of the wood floor planks receive complete coverage of adhesive by lifting an occasional board. The trowel notch size may need to be increased to ensure full coverage of the adhesive to the back of the wood floor planks.
- Be sure to work within the “open time” of the adhesive to ensure that the planks are being laid onto still-wet adhesive. Pre-cut several rolls and apply adhesive to workable sized sections of the installation area to ensure that the adhesive is still “open” as each section of planks is installed. If the skin of the spread adhesive has started to harden before the planks are fitted, then it will be necessary to scrape off and remove the hardening adhesive and reapply new adhesive.



Narrow Plank



Plank



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INSTALLATION OF: PLANKS - FULLY BONDED

- On a fully-bonded (glue down) installation never glue the T&G together. Only apply the MS Flex to the subfloor for contact with the underside of each plank. This is to prevent "rafting", from occurring, where uneven gaps between flooring planks, or groups of planks develop during normal expansion and contraction of the floor.
- Whilst laying the planks, remember to work and select planks from 3 or 4 packs at a time to ensure a good visual mix of colour and natural features.
- Once the planks are installed over the adhesive, be sure to avoid walking or kneeling on the installed planks until the adhesive has fully bonded to prevent disturbing the planks.



Use Ted Todd's MX Flex adhesive for best results.

3.4.2 Laying out the floor and getting started.

- Read and understand the instructions for Ted Todd Primerfast sealer, and Ted Todd MS Flex adhesive before starting work.
- Apply 2 coats of Ted Todd Primerfast liquid damp proof membrane to the subfloor. 1 coat if there is a water-fed Under Floor Heating system.
- Tiles will require to be abraded and quartz crystals applied to the wet Ted Todd Primerfast before installation. Or the tiles should be screeded plus Primerfast, to ensure a flat subfloor that can accept the MS Flex adhesive.
- Allow a minimum of 15mm expansion gap around the perimeter of the room.
- For installations where the maximum width exceeds 8m, intermittent expansion gaps 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.
- Snap a working line parallel to the starting wall, the width of the board, plus the tongue and recommended expansion space.



Narrow Plank



Plank



Wide Plank



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Super-Wide Plank

INSTALLATION OF: PLANKS - FULLY BONDED

- Use Spacers between the wall and the first row of flooring planks allowing for any taper or unevenness in the wall. This helps maintain the correct expansion gap and allows for the first row to be supported when installing the T&G of following rows.
- Apply the adhesive, as per the guidelines 3.4.1 above, and 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, allowing for the correct expansion gap, and allow curing before continuing the installation.
- Ensure that the boards are installed correctly with good fit between the T&G's. Use a knocking block to drift the boards together. If any gaps are difficult to eliminate, consider the use of tensioner straps to pull the boards together.
- If the installation is to be interrupted, or left overnight, the last row of glued-down planks should be weighted or strapped down to avoid any movement, and to ensure good contact between the planks and the adhesive applied to the subfloor.

3.5 Summary.

Site checks.

Temperature, Humidity, Clean, Dry, subfloors flat and level and the site ready for wood floor.

- Plan the layout of the floor and the installation method.
- Use Ted Todd Primerfast and Ted Todd MS Flex for your fully bonded (glue down) installation.

3.6 FAQ's

Is all of the above really necessary?

The success of a good wood floor installation depends upon many factors. In instances where things go wrong, the problems will almost certainly be traceable back to failure to correctly follow some of the guidelines listed above. Even in apparently simple installation projects all of the above points must be checked to ensure compliance.

**PRIMERFAST:** Application with nylon roller, coverage 6kg tub =120-450g/m<sup>2</sup>. Suitable for underfloor heating. Single coat. Fast drying within 45-50min

**MX FLEX ADHESIVE:** 1.45 Kg/Ltr. Coverage 700/1200 g/m<sup>2</sup> depending on the subfloor. free from water, solvents, amines, epoxy resins and isocyanates. Suitable for underfloor heating.



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