

Tongue & Groove Engineered Wood Flooring Installation Guide

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1. Introduction

There's something timeless about a real wood floor, especially when it's fitted properly and allowed to shine in its own natural way. Tongue and groove engineered wood flooring has been used for years and remains a popular choice for good reason.

It offers a strong, reliable fit and a more traditional installation method, giving you a solid and long-lasting result when installed correctly.

This guide will walk you through the process step by step, keeping things simple and easy to follow.

2. Before You Begin

A little preparation at the start makes everything smoother later on.

Measure your room carefully and allow an extra 5–10% for cuts and wastage. It's always worth having a few spare boards, just in case.

Make sure the room is fully ready before installation begins. Any wet work, such as plastering or painting, should be finished and completely dry.

Take a moment to check your boards as well. Natural variation is part of the charm, but it's best to spot any issues before fitting.

3. Tools & Materials You'll Need

Having everything ready to hand will save time and effort.

You'll need:

- Tape measure
- Pencil
- Saw (hand or electric)
- Spacers
- Rubber mallet
- Pull bar
- Spirit level
- Wood flooring adhesive (for joints or full bond)
- Underlay (if required)

A cloth for wiping excess glue is also useful to keep nearby.

4. Preparing Your Subfloor

Your subfloor is the foundation of your floor, so it's worth getting this right.

It should be:

- Clean
- Dry
- Level
- Stable

Concrete subfloors must be fully dry and may require a damp-proof membrane. Timber subfloors should feel solid, with no movement or

squeaks.

Even small imperfections can affect the final result, so take your time here.

5. Acclimatising Your Flooring

Before installation, your flooring needs time to adjust to its new environment.

Leave the unopened packs in the room for **48–72 hours**. This helps the wood settle into the room's temperature and humidity.

Skipping this step can lead to movement after installation, so it's always worth the wait.

6. Understanding Tongue & Groove Flooring

Tongue and groove flooring uses a traditional joining method.

Each board has:

- A **tongue** (a small protruding edge)
- A **groove** (a slot that the tongue fits into)

The boards are fitted together by sliding the tongue into the groove, creating a secure connection.

Depending on the installation method, these joints are often glued to provide extra strength and stability.

7. Choosing Your Installation Method

Tongue and groove flooring gives you a few installation options:

Floating installation (with glued joints)

Boards are joined together and laid over underlay. The joints are glued for added strength.

Glue-down installation

Boards are fixed directly to the subfloor using adhesive. This creates a very solid feel underfoot.

Nail-down installation

Typically used over timber subfloors and more common for professional fitting.

For most homes, floating with glued joints or full glue-down are the most common choices.

8. Underlay & Moisture Protection

If you're using a floating method, underlay is essential.

It helps with:

- Reducing noise
- Adding comfort
- Providing slight insulation

For concrete subfloors, a moisture barrier is particularly important. Many underlays include this, which makes installation easier.

9. Installing Your Floor (Floating Method – Glued Joints)

This is one of the most popular methods for tongue and groove flooring.

Start along the longest wall, ideally following the direction of natural light.

Lay your underlay first, keeping it smooth and flat.

Place spacers along the wall to allow for an expansion gap.

Apply a small amount of wood adhesive into the groove of each board, then fit the next board by inserting the tongue into the groove. Press firmly to create a tight joint.

Wipe away any excess glue as you go to keep the surface clean.

Continue row by row, staggering the joints for a natural finish.

10. Installing Your Floor (Glue-Down Method)

For a more fixed and solid installation, glue-down is a great option.

Apply adhesive directly to the subfloor using a notched trowel.

Lay each board into the adhesive, fitting the tongue and groove together as you go.

Press boards firmly into place and check alignment regularly.

Work in small sections to keep everything manageable.

Allow the adhesive to cure fully before walking on the floor.

11. Expansion Gaps & Finishing Touches

Expansion gaps are essential with any wood flooring.

Leave a **10–15mm gap** around the edges of the room to allow for natural movement.

These gaps will be covered with skirting boards or beading, so they won't be visible once complete.

Door bars and trims can be added for a neat finish between rooms.

12. Cutting Around Obstacles

Most rooms will have a few tricky areas, such as pipes or door frames.

Take your time with these cuts. Careful measuring will give you a much cleaner finish.

For pipes, drill slightly larger holes and use covers to conceal the gaps neatly.

13. Underfloor Heating Guidance

Tongue and groove engineered wood flooring can be used with underfloor heating when installed correctly.

Keep the heating system off during installation, then increase the temperature gradually afterwards.

Avoid exceeding **27°C**, as excessive heat can affect the wood over time.

14. Common Mistakes to Avoid

A few simple things to watch out for:

- Not using adhesive on joints when required
- Skipping acclimatisation
- Installing on an uneven subfloor
- Forgetting expansion gaps

- Rushing the installation

Taking your time will always give better results.

15. After Installation

Once your floor is laid, try to avoid heavy use for the first 24–48 hours.

This allows any adhesive to set properly.

Add felt pads to furniture and give the floor a gentle clean to remove dust from installation.

16. Troubleshooting

Loose joints

May be caused by insufficient adhesive.

Gaps between boards

Often due to temperature changes or lack of acclimatisation.

Creaking

Usually linked to subfloor issues.

17. Final Thoughts

Tongue and groove flooring has stood the test of time for a reason. When installed carefully, it creates a strong, beautiful floor that feels solid underfoot and looks effortlessly natural.

With a little patience and attention to detail, you'll end up with a finish that truly transforms your space.

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