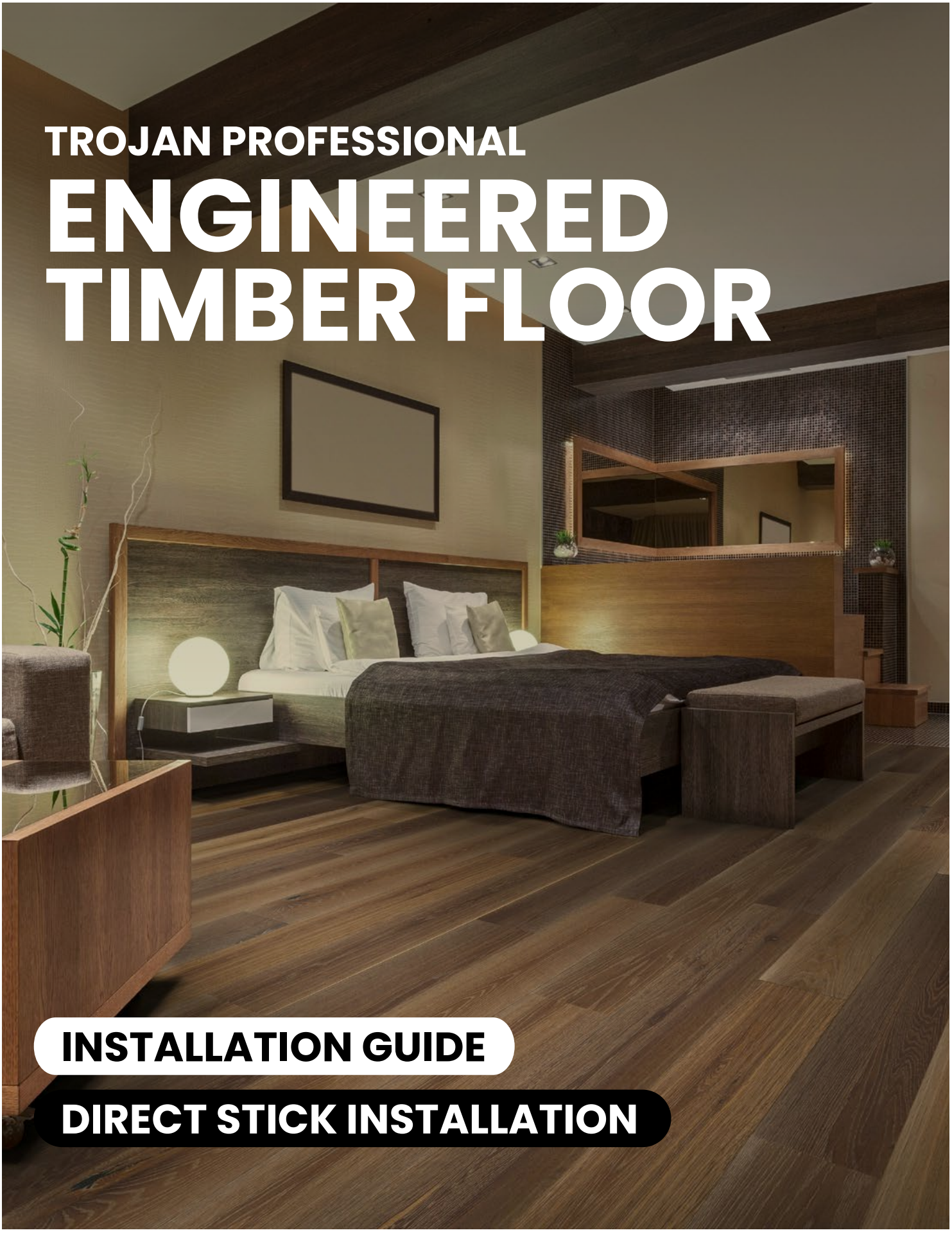

TROJAN PROFESSIONAL

ENGINEERED TIMBER FLOOR

INSTALLATION GUIDE

DIRECT STICK INSTALLATION

NEXT 13
SOURCING & PROCUREMENT

INSTALLATION GUIDE

Thank you for choosing Trojan Professional Engineered Timber Flooring. This document contains useful instructions on the installation of Trojan Professional. Correct installation will ensure your floor performs at its peak now and into the future.

1 GETTING STARTED

Store the boards in a cool, shaded and protected dry place. Do not open the packets until the day of installation to avoid moisture pickup.

Check each board carefully prior to installation. Never install any damaged floor and conduct inspections as you work. Should any obvious mistakes or damages be found when opening the packages, all claims should be raised immediately before installation.

Always work out of several different bundles alternatively for installation. Mix and match between packs to create a beautiful colour spread across your floor.

Timber is a living material, which swells if moisture or humidity increases and shrinks if moisture or humidity decreases. If the climate and humidity of the room where your timber is laid is left too high or too low for an extended period of time, this can lead to irreversible deformation of your floor. This can particularly occur if, e.g. in winter, the humidity in a heated room falls below 45%. If you are heating your room, you should install an air humidifier to prevent damage to your floor. The same may be necessary in an air conditioned room.

Timber is a natural product with natural variations of colour, grains and characteristics. These variations are not considered a defect.

2 SUBFLOOR PREPARATION

Before installation, remove all debris or dust and clean the subfloor. Trojan Professional can be installed on concrete, particle board or timber subfloors, providing the subfloor is flat, level, smooth and dry. Ensure the subfloor is free of any cracks.

In case there is a need to level the concrete subfloor, a suitable based floor-filler should be used. Timber and particle board subfloors must be structurally sound. If a particle board subfloor is used, ensure the edges are sanded prior to installation.

Should the Relative Humidity (RH) of the environment be above 95%, no flooring should be installed. Installation in these conditions will void all warranties.

! NOTE:

Trojan Professional is not structural and therefore, it will reflect the condition of the subfloor. Ensure your subfloor is structurally sound and flat, smooth, level and dry.

3 UNDERLAY

Where acoustic performance is required a suitable underlay should be used, otherwise the floor can be direct stuck to particle board, plywood or concrete subfloors.

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4 INSTALLATION

When installing Trojan Professional, an expansion gap should be allowed for. This should be at least 10mm around the perimeter of the room. Use spacing-wedges during the installation to assist in maintaining the expansion gaps.

Note: Larger rooms, such as halls, assembly rooms, dance floors, will need a bigger allowance for expansion join.

Depending on the width and squareness of the room, you may choose to 'rip down' the starting boards, so you are not finishing on the opposing wall with thin pieces or planks on an angle.

DIRECT-STICK INSTALLATION:

For installation by direct gluing to the subfloor or Direct Stick, please adhere to the glue manufacturer's instructions. Only use polyurethane based glue. Note: For locations requiring acoustic performance consider Bostik 3 in 1.

We have selected parts of the Bostik instructions relevant to direct stick installation.

For further information on the glue including safety data sheets, clean-up and coverage, please refer to full instructions available for download at the Bostik website.

SURFACE PREPERATION

- All surfaces must be clean, dry and free of voids, curing compounds, loose materials, oil, grease or similar that can affect adhesion.
- The moisture content (MC) of the concrete slab should be checked and it should be confirmed that conditions are in line with the glue manufacturers guidelines.
- The subfloor should be flat. That is, no gap beneath the straight edge when placed on the slab. All surfaces must be structurally sound before application.
- Where previous adhesives (PVA or bituminous adhesives) or contamination (waxes, coatings, etc) is suspected or in evidence these must be cleaned from the subfloor.

Bostik Ultraseal Vapour Barrier

- Designed to prevent moisture migration through the slab to levels that will not cause swelling or cupping of the timber flooring.
- As a preventative measure, it is recommended that all ground floor slabs and all new green slabs (less than four months old) be coated with Ultraseal Vapour Barrier as moisture levels within the slab can vary over time (refer to current Ultraseal Vapour Barrier TDS for detailed application instructions) - refer to the Bostik website for more details.

4 INSTALLATION

BOSTIK ULTRASET® SF

- Always carry out moisture tests to determine suitability.
- For ground floor slabs only one coat of Ultraseal Vapour Barrier is normally required. However, a second coat will be needed if the concrete is very porous, or the coating becomes patchy, uneven or contains pinholes.
- Ensure that a wet film thickness of > 300µm is achieved.
- Ultraseal Vapour Barrier can be applied to a new or green concrete when the moisture content of the slab is less than 5.5% (moisture meter) and the surface stable and dry to touch. The time to achieve that is normally at least 28 days.
- Concrete subfloors are considered to be dry enough for Timber Flooring when the Water Vapour Transmission Rate (WVTR) does not exceed 15g/m²/24 hours (calcium chloride method).

Bostik UL-200 / Bostik PrimeGrip Non-Porous

- If the concrete subfloor is uneven and requires levelling prior to the application of timber flooring, Bostik recommends the use of Bostik UL-200 with Bostik PrimeGrip Non-Porous to be applied after Bostik Ultraseal Vapour Barrier. Refer to current TDS for detailed application instructions.

Full Trowel Method

Full trowel bed installations are the preferred method for direct stick over standard concrete slabs or slabs incorporating radiant heating and for all acoustic underlayment options. Full trowel bed is also necessary where specified by the flooring product manufacturer or industry recommendations in ATFA publications.

1. Apply a single application of Ultraset SF using 3-4mm V-notch or similar square notch trowel (refer to trowel selector chart for optimum trowel size. Depending on selected flooring type and dimensions and condition of slab, a larger notch size trowel may be recommended).
2. Evenly spread the Ultraset SF with the trowel and set flooring material with enough pressure to ensure full contact between the Ultraset SF and the timber until full cure of the Ultraset SF is achieved (minimum 24 hours but under low humidity and temperatures it may take longer).
3. For solid strip flooring, the preferred method to maintain pressure is to weight the floor, but as per ATFA guidelines*, the floor can be temporarily nailed or permanently nailed to the subfloor.

IMPORTANT NOTES:

- Bostik Ultraset SF should not be applied over any acrylic primer or sealer.
- Do not apply Ultraset SF on a dense burnished concrete surface without prior abrading or sanding back the surface to obtain mechanical key. Refer to a Bostik Technical Representative.
- If Bostik Ultraset SF is to be used in conjunction with Bostik UL-200 then ensure that none of the Bostik PrimeGrip is left exposed. Bostik Ultraset SF will not adhere to the Bostik PrimeGrip. Whenever the primer is applied, the Bostik UL-200 must be applied over or the excess primer removed prior to the installation of Bostik Ultraset SF.
- Requires atmospheric moisture to cure properly. In low humidity condtions below 40% refer to a Bostik Technical Representative. It should not be used in totally confined or air free spaces.
- Bostik Ultraset SF is not a waterproofing membrane and should not be used for waterproofing a subfloor.
- Bostik Ultraset SF should not be installed on wet, contaminated or friable surfaces.

Refer to Bostik or your flooring retailer for further information.