LYNCOM GROUP P/L

ABN 47096 679 622 **T/AS Excellent Timbers**

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INSTALLATION SPECIFICATION

Inspect all materials carefully in daylight for visible faults before installation. Any material considered not to be of acceptable quality must not be laid. If there is any doubt that the quality meets the required standard, contact the supplier for further information. No claims relating to visible defects can be accepted after installation. We recommend qualified floor layers be used to install our floors (Please contact Excellent Timbers for recommended installers).
Ensure a minimum 12 mm expansion space is left around the wall of the floor and between the flooring, and any other fixed vertical structure, i.e., door frames, kitchen cupboards, joinery, etc.
It may be required extra expansion in floors that are longer than 10 m and wider than 8 m, also intermediate expansion joints should be included. All expansion gaps and joints can be covered by skirting board, beading, or other appropriate trims.

JOBSITE CONDITIONS:

The Excellent Timbers Engineered Oak should only be installed when the site location is completely closed in with all outside doors and windows in place. The wall covering should be in place, and the painting completed except for the final coat on the skirting boards, and the internal conditions are close to what they will be when occupied.
The ambient room temperature and humidity should be maintained at a constant level, between 18°C and 25°C with relative humidity, between 40% - 65% prior to, during, and for the whole life of the wood flooring.
Avoid extremes of low or high temperatures, as this will negatively affect the stability of the wood flooring.
It is the responsibility of the installer/owner to determine if the job site conditions are environmentally acceptable and that the sub-floor system is acceptable for installing wood flooring.

SUB-FLOOR REQUIREMENTS:

The subfloor surfaces must be clean- free of waxes, adhesive, debris, loose materials, dust, etc.
Dry- Concrete slab-The moisture content of the concrete slab must be checked, and it should not have more than 5%. All damp slabs must be treated with a suitable moisture barrier to prevent moisture migration to the wooden flooring. A relative humidity & moisture content reading is required before installation; please keep readings for your records. The subfloor wood (timber flooring, particle board, plywood) moisture content cannot be more than 12% before installation.
Level/Flat- must meet the Australian Standard tolerance: maximum 3mm gap under a 3 m long straight end at any point across the subfloor. If deviations are more significant than 3 mm, use a self-levelling compound or grind the slab to level the surface within the tolerance.
On a wood, particle board, or plywood subfloor, any swollen or raised edges must be flattened as necessary by sanding or scraping.
Structurally Sound -Excellent Timbers oak floors are not designed to lay directly over battens, bearers, and joists. It can be installed over level surfaces, including moisture-sealed concrete slabs, particleboards, plywood, old timber floors, or tiles. Ensure that the wooden subfloor is checked for squeaking and fixed as necessary.

INSTALLATION BY GLUING ON TO THE CONCRETE SLAB:

Use a suitable with non-isocyanate properties hardwood flooring adhesive like Bostik Ultaset SF, ALSEAL MS. Read the label on the adhesive container. Using the trowel recommended by the adhesive supplier, spread an area that can be covered with wood within the working time of the adhesive. Glue the boards to the subfloor, avoid close alignment of joints in all rows throughout the installation, and always

attempt to get the maximum spacing available with a minimum of 150 mm. Use the spot weight across the floor to ensure a proper bond with the subfloor, especially on any hollows or drummy areas.
Clean all adhesive from the surface immediately before it cures, as it may not be removable. Use the manufacturer's Adhesive Towels.

INSTALLATION ON TO PLYWOOD OVER CONCRETE SLAB:
Before the plywood installation, lay the thick 200um polythene sheets over the concrete slab as a moisture barrier.
Plywood sheets should have an adequate fastening "brick" pattern, glued and /screwed or nailed as the system requires, with a 6 mm gap between the sheets and a 10 mm gap to the walls. For the attachment of the sheet, use predrilled sleeve pins; 28 pins are required per 2400mmx1200mm sheet. Install the floorboards over the plywood by gluing down and secret nails every 100-200 mm. Bostic Ultraset FS or ALSEAL MS glue is applied as a snake pattern on the back of the board or fully trowelled (use a 3-6 mm trowel).

INSTALLATION OVER THE ACOUSTIC RUBBER UNDERLAY:
The various brands and thicknesses of acoustic rubber underlay are available. Please check the architect's specifications and requirements for the underlay for each project. We recommend the ImpactaMat or Regupol sheets, which should be fixed by Bostic glue or ALSEAL MS to the subfloor (3mm notched trowel use) and then glue down the Engineered boards to the rubber underlay using the same glue (6mm notched trowel). Use the spot weight across the floor to ensure a proper bond with the subfloor, especially on any hollows or drummy areas.

INSTALLATION OVER THE OLD TIMBER STRIP FLOORING AND CHIPBOARD:
The existing old floor should be checked for squeaking and fixed. Flatten any swollen or raised edges as necessary by sanding or scraping.
It is recommended to lay new engineered boards on top of the existing solid flooring in the opposite direction, using glue and nails or staples. If to lay in the same direction as the existing floor, then the 6 mm plywood should be laid first to the existing subfloor (opposite direction), and then new floorboards could be glued and nailed on top of the plywood.
When installing the boards over the chipboard by glue-down method, rough sanding of the chipboard is required.

INSTALLATION OVER RADIANT HEATED SUB-FLOORS (Glue or Nail Down Only):
1. The radiant heat system must be on and operating at the normal output for a minimum of 14 days prior to the start of installation.
2. Before installing over a radiant-heated subfloor, turn off the heat and wait until the floor has reached room temperature.
3. After floor installation, your Oak flooring requires gradual climatization in conjunction with the heating system. The temperature of your heating system should be increased by 2 degrees increments each day until the desired temperature is reached (not exceeding 26 degrees Celsius), and then decreased by 2 degrees increments each day until it is turned off.

Caution: The slab surface must never exceed 26°C in temperature while in service. Excessive heat or rapid heating may cause cracking, cupping, and other forms of failure and will void the warranty.

Note: In installations over radiant heat, moderate surface checking, cracking, shrinkage between planks, and slight cupping are all to be expected and do not constitute a product defect.

4. The moisture content of the concrete subfloor should be <3% when underfloor heating is to be used. To achieve this, you may need to turn your floor heating on before installation.