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Product Specification

Product Name:

PORTER'S FINISHED FLOORS

PRODUCT DESCRIPTION:

Porter's Finished Floors are made from beautiful French Oak, hand finished and wire brushed to achieve a variety of colour and finish choices, and protected with UV cured Aluminium Oxide clear coat for long lasting protection. Porter's pre-finished engineered flooring provides a smooth, clean looking finish with a beautiful lustre that is immediate walk-on after laying. We specialise in wide boards, and source our product from quality manufacturers.

THE BENEFITS OF ENGINEERED TIMBER FLOORS:

Multiple layers of quality ply are used to ensure stability. When compared to solid timber floorboards, the longer spans give a smoother more seamless finish, and the superior engineering eliminates "cupping", a warping problem that can occur in solid timber, especially in wider widths. Engineered timber floors are extremely stable and many of the problems that effect floor laying, such as drying, shrinkage and moisture expansion, are eliminated or greatly reduced.

SIZING AND MEASUREMENTS:

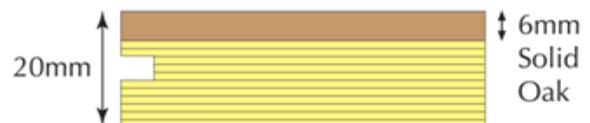
Porter's French Oak Finished Floors are a luxurious 20mm deep, incorporating 6mm of solid French Oak over a multi-ply wood base.

Available in:

20/6mm x 189mm wide x 2200mm long

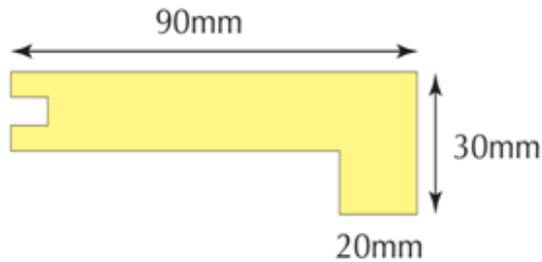
20/6mm x 260mm wide x 2200mm long

Wide Board Finished Floors



If stair nosing is required we can have it handcrafted locally using the same colour of boards as your flooring, ensuring a perfect match.

Stair Nosing



TIMBER GRADES, COLOURS AND FINISHES:

Our floor boards are hand-scraped and rubbed to develop an aged, worn-in look, and we use a UV cured Aluminium Oxide clear finish for durability and to provide a low lustre. We have a range of colours and finishes, so please visit our website to view samples.

Our flooring is quality checked at all stages of the production process, and all individual floorboards are carefully graded by the manufacturer according to their appearance. Porter's French Oak Flooring is Select Grade, also known as ABC (as well as a range of rustic DEF grade). Features taken into account when grading timber include colour variations, sap content, mineral lines, light edges and the number and size of knots. Individual floor boards may have none, one or a number of these features. ABC grade means smaller knots, narrower light edges and fewer black lines, but of course timber is a natural product and we don't believe in grading out these beautiful features. Oak trees take hundreds of years to grow and that allows plenty of time for insects to establish homes and for sap, knots and cracks to develop, so naturally all floorboards will feature such characteristics.

WHAT TO EXPECT:

White edges.



White edges are caused by a small amount of sapwood being included in the cut. Sapwood can be seen in the image below as the lighter wood on the outside of the trunk.



Intergrown knots:



A type of knot where the rings of annual growth of the knot are completely intergrown with those of the surrounding wood. Such knots are formed when trees grow around the base of a branch as the tree trunk expands. An intergrown knot will not fall out of the plank that it is in, but it could have cracks and voids.

Encased knots:



In such a knot, the annual growth rings of the knot are not intergrown with those of the surrounding wood and there may be pitch pockets and/or areas of bark between the knot and the surrounding wood. These knots are formed when a branch is cut-off or breaks off and in either case dies, leaving a cylinder of dead wood inside the growing tree trunk.

Mineral lines:



A dark discoloration caused by regions of abnormal concentrations of mineral matter which have been brought up into the tree by the sap.

Colour variation:



Floorboards are carefully graded, but will include some colour variation.

Pin knots:



A knot that is less than 3mm diameter.

Spike knot:



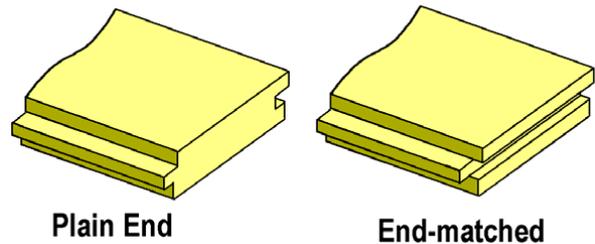
A knot cut at an angle to its long axis so that the exposed section is elongated.

QUALITY DETAILS:

Before the floors are manufactured each layer of timber in the floor, including the oak veneer and each of the layers of ply, all spend a minimum of 30 days in a "Balancing Room". This is a carefully monitored temperature controlled environment that brings the moisture content in the timber to

between 6% and 8%, ensuring structural stability. This painstaking process eliminates cupping, warping and delamination, and ensures that Porter's Finished Floors are of the highest quality available.

Additionally, all Porter's Finished Floors are carefully checked before delivery to ensure quality and colour matching is correct. To ensure a perfectly seamless finish, Porter's Finished Floors are tongue and grooved both on the sides and at the ends.



LOCATION:

Porter's Finished Flooring is a non-structural product and must be laid over an existing structural subfloor such as a concrete slab, particle board or plywood sub-floor, existing timber floors or ceramic tiles.

FIRE RATING:

Porter's French Oak Finished Floors have been tested by the CSIRO to Australian and International Standard IS ISA 9239.1 and meet the Building Code of Australia's Critical Radiant Flux and Smoke Value requirements. A Test Report is available upon request. (Test number FNR 11689).

SLIP RATING:

Slip tested by the CSIRO to AS/NZS 4586:2013. AS 45686:2013 is a Slip Resistance classification of new pedestrian surface materials. Appendix A: WET Pendulum (Slider 96).

Result: 48. The CSIRO classification for Porter's French Oak floors is P4.

A copy of the original test certificate is available upon request. P0 materials have the least slip resistance, while P5 have the most. In order to interpret the classifications, please refer to "Standards Australia Handbook 198, An Introductory Guide to the Slip Resistance of Pedestrian Surface Materials", which recommends minimum classifications for a wide variety of locations.

A copy of the original test certificate is available upon request.

ENVIRONMENTAL INFORMATION:

Porter's French Oak Finished Floors are formaldehyde free and very low VOC.

Because of the adhesives used in the construction of laminate flooring, formaldehyde is one of the most common VOC's found in flooring. Glues and coatings is where the emissions concerns come from. Ways to lower VOC levels in your home include choosing flooring and wood products made without urea-formaldehyde (UF) glues, and using paints classified as Very Low VOC by APAS* (Australian Paint Approval Scheme).

CALCULATING QUANTITY REQUIREMENTS:

To calculate the quantities when ordering floorboards, just give our staff or the supplier the total square metres of the floor area. Allow 5% for wastage. Our staff will calculate how much you will need. Please note we do not split boxes.

Alternately, measure the total square metres of the area to be laid, and add 5%. Divide by the number of square metres per box, then round up to calculate the number of boxes to order.

20/6 x 189mm – 1.6632 square metres per box.

20/6 x 260mm – 2.288 square metres per box

For example, you have 60 square metres to be laid with a 260mm wide board. $60 + 5\% = 63$. Divided by 2.288 gives 21.875. You will need to order 22 boxes.

INSTALLATION:

For installation we recommend using professional floor layers.

BEFORE INSTALLATION:

Please examine all of your flooring BEFORE installation. Carefully examine all boards for colour, finish, quality and style, and if this material is not acceptable, immediately contact the place of purchase. We urge you, as the final inspector, to verify that this flooring is the correct material. Accepting or rejecting material must be done on full shipment of quantities only, not carton by carton or plank by plank.

Wood is a natural product that can vary in

colour and grain, and contains natural characteristics that vary from plank to plank and are to be expected. We do not warrant against these natural variations from plank to plank or from sample to plank.

Care should be taken at this time to remove any individual boards with characteristics you do not desire. Porter's Paints will not be liable for any costs incurred when planks with visible defects have been installed.

Disclaimer:

The following should be used as a guide only and the installer should apply all Australian Standards and best practices when installing, including all safety protocols. The installer should fully understand how to correctly install flooring, and not rely on this document as the sole means of information and instruction.

This section covers guidelines for laying Porter's Finished Floors on:

1. Over floor joists laid with structural ply sheeting or particleboard.
2. Over existing floorboards or tiles
3. Over concrete slab

CAUTION: WOOD DUST

The sawing, sanding and/or machining of wood products can produce wood dust that can cause respiratory, eye and skin irritations. Equipment should be fitted with a dust collector to reduce airborne wood dust. Wear an appropriate dust mask to reduce exposure, and avoid contact with eyes and skin. In case of irritation, flush eyes or skin with water for at least 15 minutes.

Porter's floor boards should be glued and secret nailed.

LAYING PORTER'S FINISHED FLOORS OVER FLOOR JOISTS (WITH STRUCTURAL PLY SHEETING):

Important Considerations:

The floor must be structurally sound and level. Adequate sub-floor ventilation is essential for the satisfactory performance of the floor. Over *ground floor* joists consider a polyethylene membrane laid over the soil (taped at joints and fixed to stumps and walls). For *first floor* residences or *multi-level* construction, acoustic mat must also be installed prior. We recommend 5mm thick Impactamat. Install as per manufacturers instructions.

Adhesives require a clean, structurally sound floor that is free from moisture, loose particles and contaminants.

Expansion gaps of 13 mm should be provided at all walls and other fixed obstructions which are parallel to the run of floor boards. You may place temporary blocks or wedges against the wall to maintain the gap whilst floor is being laid.

We recommend that boards are laid parallel to the longest wall in the room.

Trowel glue (applying glue direct to ply or acoustic mat) using Selleys® Liquid Nails® Flexistick®, using a 3mm notched trowel, then secret nail. Start the first row of boards with the tongue facing the starting wall. As you add the next board, tap boards gently together with a rebated tapping block and ensure a firm tight fit. Create a random laying design by using the shorter lengths along with the longer lengths, thus preventing the end joints from aligning across the floor.

You may need a pull tool to lay the last board closest to the wall. Also allow for the 13mm expansion gap for this last board. The expansion gaps will be covered by the skirting boards. Skirting boards should be attached to the wall, not the floor.

LAYING PORTER'S FINISHED FLOORS OVER EXISTING FLOORBOARDS:

Where possible, existing skirtings should be removed prior to the laying of floorboards, and replaced afterwards. Skirtings should be attached to the wall, not the floor. If skirtings cannot be removed, expansion gaps should be covered with a beading attached to the skirting (not the flooring).

When laying over existing floorboards, it is also particularly important to ensure the direction of the boards on the new floor are at 90° to that of the existing floor, the existing floor must also be structurally sound and level. Adhesives require a clean, structurally sound floor that is free from moisture, loose particles and contaminants. Rough sand to provide a key for the glue.

Trowel glue (applying glue direct to existing floorboards using Selleys® Liquid Nails® Flexistick®, using a 3mm notched trowel, then secret nail. Start the first row of boards with the tongue facing the starting wall. As you add the next board, tap boards gently together with a rebated tapping block and ensure a firm tight fit. Create a random laying design by using the shorter lengths along with the longer lengths, thus preventing the end joints from aligning across the floor. All Porter's Finished Floors have been carefully end matched, so check individual boards before adhesion.

You may need a pull tool to lay the last board closest to the wall. Also allow for the 13mm expansion gap for this last board.

LAYING PORTER'S FINISHED FLOORS OVER CONCRETE SLAB:

Important considerations and slab preparation:

Heating Systems: Both above floor and in-slab heating systems can be used under Porter's Finished Floors, although heating systems should be fitted with a cut-off thermostat set to cut out when the temperature under the timber flooring measures 26 degrees Celsius. Floors will be damaged when subjected to sustained sub-floor temperatures above 26 degrees. The maximum timber thickness over a floor heating system is 20mm, any thicker and the effectiveness of the heating system will be compromised. For this reason, do not lay structural ply as a base for floor boards over floor and in-slab heating systems.

Checking the slab: Before installation of floor boards, ensure that the concrete slab is level. Where the slab is greater than ± 3 mm out of level over any 1500 mm length, a concrete topping (self-levelling compound), grinding or packing should be used. Slabs on ground should be constructed with a continuous under slab vapour barrier (e.g. 0.2 mm thick polyethylene). Do not install timber floors until the concrete slab has a moisture content of less than 5.5%. Before laying a timber floor the moisture content of the slab should be checked with a moisture meter or hydrometer.

Prior to laying floor boards direct to:

- a bare slab
- over acoustic mat
- over plywood laid on slab

First coat the entire slab with Selleys® Liquid Nails® VBS, or lay a thick polysheeting membrane. The polyethylene sheeting should be lapped by 200 mm, taped at the joints and brought up the walls (or fixed columns etc) above the top of the flooring. The polyethylene is then covered by the skirting. Note that fixing plywood sub-floors through the polyethylene is not considered to reduce the overall effectiveness of the membrane.

Laying Porter’s Finished Floors:

Over acoustic mat or structural ply laid over membraned concrete slab:

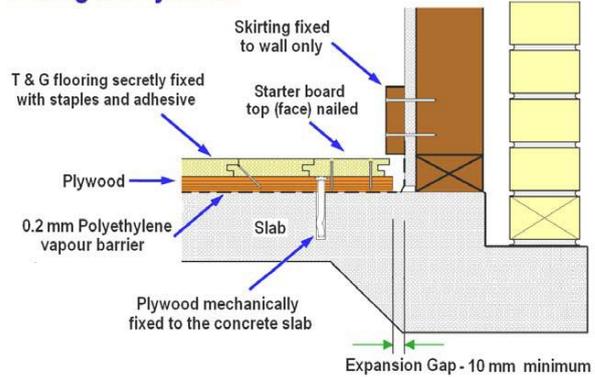
We recommend 5mm thick Impactamat. Install as per manufacturers instructions. Ply should be structural grade and a minimum of 9mm thick. Trowel glue as follows, weighting where floor boards do not sit flat.

Laying Porter’s Finished floors directly over membraned concrete slab: Trowel glue as follows, weighting where floor boards do not sit flat.

Trowel glue (applying glue direct to ply, acoustic mat or membraned slab) using Selleys® Liquid Nails® Flexistick®, using a 3mm notched trowel. Start the first row of boards with the tongue facing the starting wall. As you add the next board, tap boards gently together with a rebated tapping block and ensure a firm tight fit. Create a random laying design by using the shorter lengths along with the longer lengths, thus preventing the end joints from aligning across the floor.

You may need a pull tool to lay the last board closest to the wall. Also allow for the 13mm expansion gap for this last board.

Fixing to Plywood



Restrict foot traffic for a minimum of 6-8 hours and wait 24 hours before moving furniture onto the floor.

PROTECTION DURING CONSTRUCTION:

Where building or construction work is continuing newly laid floors should be protected from damage and plaster dust. Lay 2mm foam underlay under 3mm or 4mm MDF sheeting which is securely taped together. Do not tape directly to Porter’s Finished Floors. Plaster dust should be vacuumed off immediately (not mopped or wiped with a damp cloth) as moisture can set the plaster dust, making it very hard to remove. Keep your newly laid floors protected until all other work is completed.

PACKAGING:

Porter’s Finished Floors are packed in cartons containing varied lengths of timbers. Carton length is 2200cm long.

MAINTENANCE:

Please refer to the Maintenance Schedule following this Specification.

WARRANTY:

A 10 year Structural Warranty is offered. Please refer to the separate Porter's Finished Floor Warranty document. (Australia Only) This guarantee does not limit and may not necessarily exceed your rights under the Competition and Consumer Act 2010.

STORAGE:

Store in a cool dry area, protected from moisture. Plastic wrapping is easily damaged and should not be relied upon to keep the flooring dry. Ideally, flooring should not be delivered to site until it can be immediately stored under permanent cover.

DISTRIBUTOR'S DETAILS:

Porter's Paints

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Australia

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Porter's Paints are a member of ATFA:

Australian Timber Flooring Association



Diagrams used in this specification:

Source: Australian Government Forest and Wood Products Research and Development Corporation.



Maintenance Schedule

Product Name:

PORTER'S FINISHED FLOORS

Engineered floors have greater structural stability than hardwood floors, being able to deal with changes in moisture and temperature. However, steps need to be taken to ensure it stays in good shape.

A regular maintenance/cleaning programme is the key to keeping your engineered wooden floor in good condition. When looked after properly your floor will stand the test of time and will look great for many years, but remember that real wood flooring will show signs of wear over time, depending on the size and lifestyle of your family. By observing a few precautions and setting up a regular cleaning routine you can expect years of beauty from your floor.

CONSTRUCTIVE PROTECTION:

Dirt trapping mats placed at entry doors will enable people to wipe their feet upon entry, reducing dirt and grit.

Castor-wheeled chairs should have wide castors or have mats placed underneath.

Install protectors under "feet" of heavy furniture.

Heavy items such as fridges and tables should be moved carefully, ensuring they are not dragged over the floor surface. Use a dolly or protective sheets of plywood when moving heavy items and appliances.

Spillages should be wiped up immediately, especially oils or fats.

Do not wear stiletto heels, and keep pet's claws trimmed, as both these can damage the floor surface and leave marks.

Exposure to harsh sunlight for extended periods may cause colour variation, or partial variation due to placement of rugs, mats or furniture. Protect from sunlight with curtains or blinds.

CLEANING:

How often you clean the floor is dependent on the amount of traffic and the amount of dirt carried onto the floor. As a general guide we recommend:

Daily/weekly: Vacuum, sweep or use an anti-static mop to remove dust and dirt.

Weekly/monthly: Wash the floor using a damp mop and a recommended wood cleaner.

Removing Dust and Dirt:

Porter's Finished Floors are very well protected by the Aluminium Oxide clear coat, but to prevent grit, dirt and sand from being ground into the floor and scratching and abrading the finish, as with any floor, keep the floor clean. Routine vacuuming and frequent sweeping can limit the amount of dirt or grit getting onto the floor. Dust can cause damage if it is allowed to build up over time by inflicting minute scratches. When using a vacuum cleaner, check to ensure rollers cannot scratch wooden surface.

Washing the floor:

While an engineered floor deals better with water, this does not mean it can be allowed to get soaking wet. Periodic cleaning with a damp mop using a good quality non abrasive wood floor cleaner (formulated for UV prefinished floors – see our Recommended Products section) to remove all residues.

Floors must not be cleaned with steam mops.

IMPORTANT: Do not use oil based, ammoniated, abrasive paste, wax, silicones or solvent based products as they will harm the long term performance of the UV finish.

Spillages:

Spillages should be wiped up immediately with a dry cloth or paper towel. Ink, blood and wine are

more likely to bed in if they are allowed to dry. For sticky substances, moisten the cloth slightly.

RECOMMENDED PRODUCTS:

Porter's recommends "Osmo Wash and Care" product to be added to mop water for regular cleaning.

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