

ENGINEERED HARDWOOD FLOOR



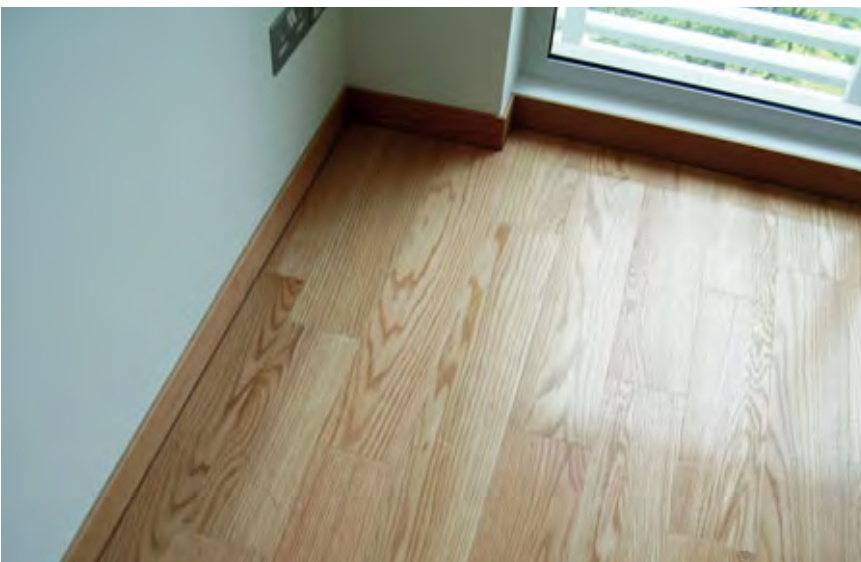
ENGINEERED HARDWOOD FLOOR







BACKGROUND

Engineered wood comprises multiple ply layers that are glued together rather than a monolithic solid piece of hardwood. The inner core comprises either a hardwood or soft plywood type material e.g. spruce, MDF (Medium Density Fibre), HDF (High Density Fibre), OBS (Oriented Strand Board), etc which incorporates a tongue and groove jointing system. The top thicker hardwood layer is glued on the top surface of the core and is available in almost any hardwood species. Generally the top layer hardwood is produced by a sliced cut. The thickness of engineered floor strips can be from 8 mm to 20 mm.

To create an engineered hardwood, the multiple ply layers are stacked one on top of the other with the grain of adjacent layers oriented perpendicular to one other. Once the desired thickness is achieved, the boards are then cut into the specified board width. By doing this, the engineered hardwood becomes less susceptible to the effects of moisture and temperature change and dimensionally stable, because wood expands and contracts in the width of the grain direction.



The table below shows the number of steps involved in the installation process of traditional solid floor and engineered wood floor.

	Sequence of solid timber floor installation	Sequence of pre-finished engineered wood floor installation
STEP 1	<ul style="list-style-type: none"> Apply adhesive. 	<ul style="list-style-type: none"> Apply adhesive or mechanical Interlocking floating method. 
STEP 2	<ul style="list-style-type: none"> Installation with tongue & groove. 	<ul style="list-style-type: none"> Installation with tongue & groove, and completion. 
STEP 3	<ul style="list-style-type: none"> Core sanding (after 14 days Curing). 	
STEP 4	<ul style="list-style-type: none"> 2nd Grinding. 	

Sequence of solid timber floor installation

Sequence of pre-finished engineered wood floor installation

- Apply filler.

STEP 5



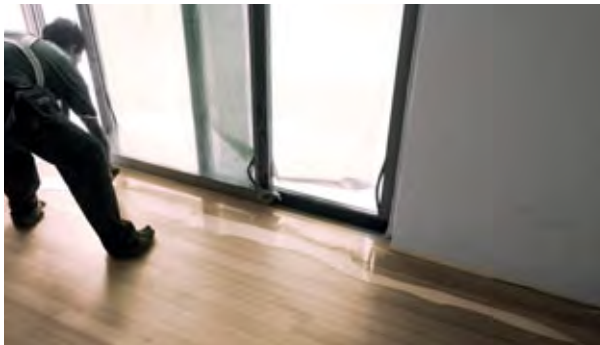
- Curing and fine sanding.

STEP 6



- Apply varnish and completion.

STEP 7





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