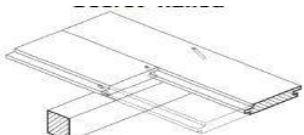
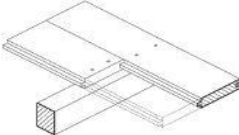


HEIGHTS OF TIMBER FLOORING SPECIES	10 mm	12 mm	14 mm	14.5 mm	19 mm	21 mm	23 mm	32 mm
American White Oak all widths					Yes	Yes		
Blue Gum, Brush Box	Yes	Yes	Yes		Yes	Yes		
Coastal Blackbutt, New England Blackbutt	Yes	Yes	Yes		Yes	Yes	Yes	
Coastal Spotted Gum	Yes	Yes	Yes		Yes	Yes	Yes	
Flooded Gum, Cherry Mahogany, Ribbon Gum		Yes	Yes		Yes	Yes		
Grey Box		Yes	Yes		Yes	Yes		
Grey Gum, Red Gum, Red Mahogany, Forest Red		Yes	Yes		Yes	Yes		
Grey Ironbark	Yes	Yes	Yes		Yes	Yes		
Red Ironbark		Yes	Yes		Yes	Yes		
Silver Top Stringy Bark & White Stringy Bark, , Northern Beech (Mixed Whites)		Yes	Yes		Yes	Yes		
Tallowwood		Yes	Yes		Yes	Yes	Yes	
White Mahogany		Yes	Yes		Yes			
Turpentine		Yes	Yes		Yes	Yes		
Golden oak, Pearl Beech, Copper Cheery					Yes			
Jarra					Yes			
QLD Spotted Gum					Yes			
Recycled Patina & Recycled Rust			Yes					
Roasted Peat, Roasted Cayeene, Roasted Caramel	Yes		Yes					
Plantation Blonde & Rose			Yes		Yes	Yes		
Southern Beech					Yes			
Tasmanian Blackwood					Yes			
Victorian Ash, WA Kauri					Yes			
Tasi Oak			Yes		Yes			
Prefinished Australian Hardwood			Yes					
Prefinished HM Walk				Yes				
Prefinished Coloured Oak			Yes					
Prefinished Coloured Oak						Yes		

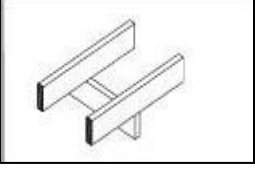


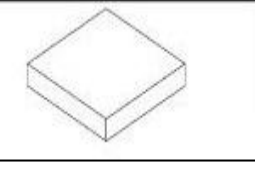




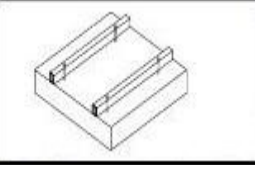


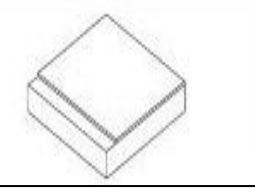





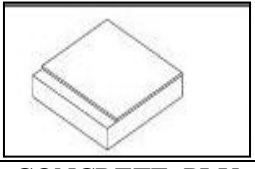


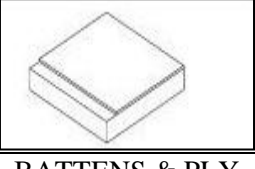


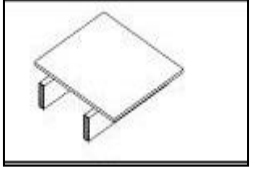





SUBSTRATE OPTIONS THAT FLOORING IS INSTALLED ONTO.

JOISTS	Ensure joist's MC is within 1% of MC of floor been installed & hardwood floor end matched allow for 450mm joist spacing
CONCRETE	Concrete slab MC must be less than 5.5% & level slab to be within + or – over 3mm over 3mts before installing floor
CONCRETE & BATTENS	If concrete slab is not level, battens are installed by spiking and packing to slab to get a level surface to install floor.
CONCRETE & PLY	Concrete slab has to be level so ply can be pinned and the ply may need to be sanded.
CONCRETE & MATT	Concrete slab has to be level, mats fully glued as flooring cannot be nailed or pinned
CONCRETE, PLY & MATT	Concrete slab has to be level so ply can be pinned and mats fully glued as flooring cannot be nailed or pinned
BATTENS & PLY	If concrete slab is not level, battens are installed by spiking and packing to slab to get a level surface to install floor if 14mm is to be installed, ply pinned to battens allow for floor to be trowel glued.
BUILDERS PLASTIC	To stop moisture coming up from slab, taped into place.
GLUE	When trowel glue floor to a substrate you must use a well known flexible adhesive
NAILS	Secret nail into 80mm floor board, top nail x 2 into 130mm x 19mm floor board, top nail x 3 into 180mm x 21mm.  

SECRET NAIL

TOP NAIL

RECOMMENDED RESTRAINING METHODS FOR DIFFERENT TYPES OF FLOORING DEPENDNG ON HEIGHTS

SUBSTRATE	Solid Strip T & G Floor 19mm or 21mm thick	Overlay T & G Solid Floor 14mm-12mm thick	T & G Engineered pre- finished floor with a ply substrate 21mm thick	T & G Engineered pre-finished floor with a ply substrate 14mm thick	Engineered pre-finished floor with a ply substrate & locking system 14.5mm thick	Parquetry
JOISTS 	 NAIL & GLUE Top nail if \geq 100mm		 GLUE			
CONCRETE 			 GLUE	 GLUE	 FLOAT OR GLUE	 FULL BED OF GLUE
CONCRETE & BATTENS 	 NAIL & GLUE Top nail if \geq 100mm		 GLUE			
CONCRETE & PLY 	 FULL BED OF TROWEL GLUE Top nail if \geq 100mm	 FULL BED OF TROWEL GLUE & SECRET NAIL	 GLUE	 GLUE	 FLOAT OR GLUE	
CONCRETE & MATT 			 GLUE	 GLUE		
CONCRETE, PLY MATT 			 GLUE	 GLUE		
BATTENS & PLY 	 FULL BED OF TROWEL GLUE Top nail if \geq 100mm	 FULL BED OF TROWEL GLUE & SECRET NAIL	 GLUE	 GLUE	 FLOAT OR GLUE	