

JOIST FLOOR SYSTEM

Snake gluing timber floor directly to joist top or secret nail.



ADVANTAGES

Existing Sub floor present
Ventilation easier to install

DISADVANTAGES

Could be un-level
Joists moisture content could be too high
Nosier
Substrate not sealed air could rise

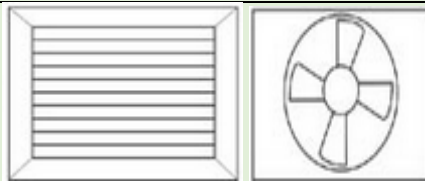
PREPARING THE SURFACE

- *Joist Kiln & dried hardwood & to be clean, dry & strong.
- *Timber size & span determined from AS 1684 & AS 2796
- *Joists to be level
- * Moisture content to be aprox 10% to 13%, test with moisture meter

WHY FLOOR FAILS WHEN GLUING TO JOIST

- *Equilibrium moisture content is unstable
- *Fixed incorrectly to be installed to ATFA standards

METHODS TO ADDRESS SUB FLOOR VENTILATION

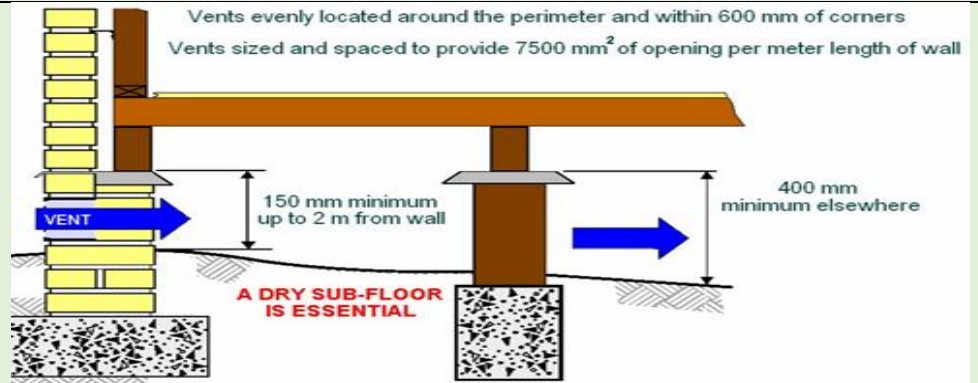


Vents

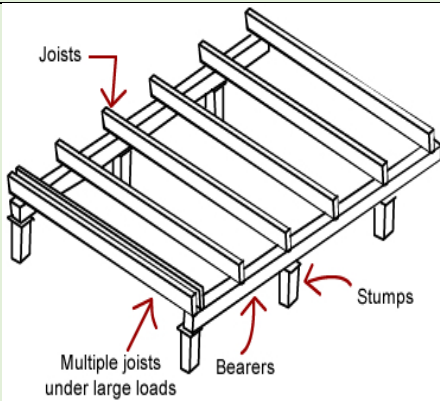
Fans



Plastic Membrane



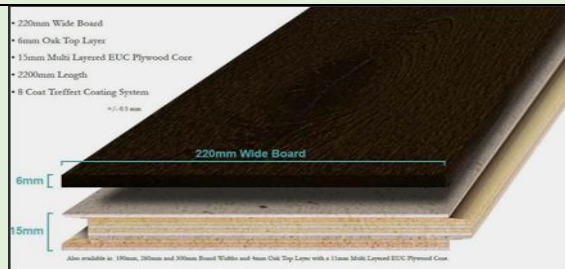
SPANS AND CONSTRUCTION



Species Group	Grade	Thickness (mm)	Acceptable Species, Grade and Joist Spacing			Maximum Span	
			450 mm End matched	450 mm Butt joined	600 mm Butt joined	End matched	Butt joined
Hardwood All hardwood species listed on page 5	AS 2796 Select Grade	19	✓	✓	✓	500 mm	630 mm
	Medium Feature (Standard) & High Feature Grade	19	✓	✓	✗	450 mm	570 mm

Wood Solutions reference

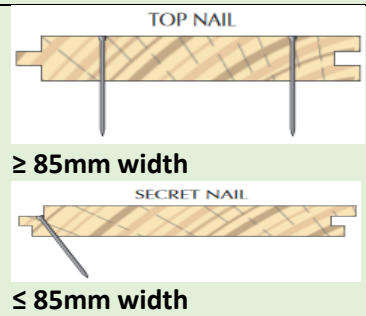
Profiles of Timber Floor Glue to nail to joist



Oak Engineered Floor 21mm, Thick



Solid Hardwood T & G Floor
19mm, 21mm, 32mm Thick



INSTALLING TO JOIST TIMBER FLOOR OPTIONS

1. Joist → Snake glue → secret nail → 60 to 80mm x 19mm solid T & G Floor
2. Joist → Snake glue → top nail → 85 to 230mm x 21 solid T & G Floor
3. Joist → Snake glue → secret nail → 220mm x 21mm engineered T & G Floor

NASH TIMBERS 02 9337 6800

www.nashtimbers.com.au info@nashtimbers.com.au