



Nash Timbers Site Inspection Process

- The Nash Timbers innovative and exciting Timber Floor Site Inspection System electronically generates a detailed report for our client.
- Nash Timbers Site Checklist helps our client address all issues that will affect the outcome of obtaining the ideal conditions for their timber floor stability.
- Nash Timbers flooring installation systems and techniques helps our client address all issues that will affect the outcome of obtaining the ideal conditions for their timber floor stability.
- Nash Timbers are using a calculated formula to measure the moisture content of the timber floor which then allows us to install the floor with evidence based results which should result in a more stable floor.

NASH TIMBERS SITE INSPECTION

Room: bedroom 1	Room: kitchen living	Room: dining
<div style="display: flex; justify-content: space-between;"> back find </div> <div style="display: flex; justify-content: space-between;"> 136 Old South Head Rd Jane Nash </div> <div style="display: flex; justify-content: space-between;"> 136 Old South Head Rd Vaucluse </div> <div style="display: flex; justify-content: space-between;"> 19mm 18mm </div> <div style="display: flex; justify-content: space-between;"> 19mm 18mm </div> <div style="display: flex; justify-content: space-between;"> 19mm 18mm </div> <div style="display: flex; justify-content: space-between;"> Blackbutt Blackbutt Blackbutt </div> <div style="display: flex; justify-content: space-between;"> 130 19 130 19 130 19 </div> <div style="display: flex; justify-content: space-between;"> Select Select Select </div> <div style="display: flex; justify-content: space-between;"> <div> <input checked="" type="checkbox"/> Tongue & Groove <input checked="" type="checkbox"/> End Matched <input type="checkbox"/> Plain End <input type="checkbox"/> Top Nail Profile <input type="checkbox"/> Secret Nail Profile <input type="checkbox"/> Dressed all Round <input type="checkbox"/> Pencil/Round </div> <div> <input type="checkbox"/> Decking <input type="checkbox"/> Rough Sawn <input type="checkbox"/> As is <input type="checkbox"/> Clients specification <input type="checkbox"/> Diameter <input type="checkbox"/> Dressed AllRound/rebate <input type="checkbox"/> Reeded </div> <div> <input type="checkbox"/> 2 sides squared <input type="checkbox"/> Turkish Coffee <input type="checkbox"/> Noir <input type="checkbox"/> Lime <input type="checkbox"/> Natural </div> </div> <div style="display: flex; justify-content: space-between;"> <div> wastage 7% fixing Secret nail & trimax n/iso finish TBC expansion product N/A </div> <div> sealer coats coats properly damage room floor direction north to south </div> </div> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> paint scratched <input type="checkbox"/> broken <input type="checkbox"/> hole <input type="checkbox"/> marked <input type="checkbox"/> dented </div> <div> <input type="checkbox"/> wet <input type="checkbox"/> cupping <input type="checkbox"/> shrinkage <input type="checkbox"/> dust particles <input type="checkbox"/> streaking </div> <div> <input type="checkbox"/> overlapping <input type="checkbox"/> peeling <input type="checkbox"/> corrugating in sanding <input type="checkbox"/> blistering <input type="checkbox"/> corking dropped </div> </div>	<div style="display: flex; justify-content: space-between;"> back find </div> <div style="display: flex; justify-content: space-between;"> 136 Old South Head Rd Jane Nash </div> <div style="display: flex; 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general info exterior interior subfloor install detail Photos Accept general info exterior interior subfloor install detail Photos Accept general info exterior interior subfloor install detail Photos Accept

SLAB - DRINK SPACE @ level stopping

direction of slab surface to exterior wall line 400 meet 55% 5/20/15

condition concrete slab leads to address apply moisture barrier

existing existing floor subfloor detail down subfloor detail up sand unlevel/sand

existing yellow tongue

subfloor moisture content

date	location	MC	TDR P	RI	Yes	No
4/20/15	kitchen/living	15				
5/20/15	dining	14				
5/20/15	games room	12				

Slab tests for moisture before install

Slab tests what (results)

New slab, date poured, slab age 6

set downs height allowance 1 19 set downs height allowance 2 subfloor slab age 6

sub floor comments

kitchen & dining room MC above normal need to apply moisture barrier

Del 10.8% Install

acoustic insulation Yes No

skirting Yes No

skirting needs paint Yes No

expansion gaps 1.5 each 3 board & 10mm under skirting

control board needs Yes No

floor TBC

stairs install Yes No

stairs as per floor Yes No

stairs no.

install deck Yes No

finish deck Yes No

Building is over Relation of lot to street Relation of lot to neighbour

basement below level above

crawl space X level above

slab X level above

existing X level above

Drainage

Lot drainage away from foundation

X Shaded lot

Gutters/down spouts

Directed away

Roof overhang

Foundation Perimeter

waterproof shrubs/flowers excess watering

X soil damp yard established recent

window wells dry recent

planter box sprinklers/irrigation

Entry level is

slop X level down

swimming pool Yes

pool type above ground in ground

drains position

driveway

pool

side of house

front of house

Drains in pool deck and/or patio Yes No

Distance from swimming pool to foundation

EMC Calculator menu

species Blackbutt width mm 130 average del. m c 10.76%

temperature 22 humidity 59 EMC push 10.76%

restraining fully glued Contraction -0.00mm mm per board

Floors	length (mm)	width (mm)	no. of boards per room	Contraction per room
1	4,000	4000	30.77	-0.03mm
2	2,000	1000	7.69	-0.01mm
3	4,000	5000	38.46	-0.04mm
4			0.00	

EMC Calculator menu

species Blackbutt width mm 130 average del. m c 10.76%

temperature 22 humidity 80 EMC push 15.96%

restraining fully glued Expansion 1.17mm mm per board

Floors	length (mm)	width (mm)	no. of boards per room	Expansion per room
1	4,000	4000	30.77	35.98mm
2	2,000	1000	7.69	9.00mm
3	4,000	5000	38.46	44.98mm
4			0.00	

EMC Calculator menu

species Blackbutt width mm 180 average del. m c 10.76%

temperature 22 humidity 59 EMC push 10.76%

restraining fully glued Contraction -0.00mm mm per board

Floors	length (mm)	width (mm)	no. of boards per room	Contraction per room
1	4,000	4000	22.22	-0.03mm
2	2,000	1000	5.56	-0.01mm
3	4,000	5000	27.78	-0.04mm
4			0.00	

EMC Calculator menu

species Blackbutt width mm 180 average del. m c 10.76%

temperature 22 humidity 80 EMC push 15.96%

restraining fully glued Expansion 1.64mm mm per board

Floors	length (mm)	width (mm)	no. of boards per room	Expansion per room
1	4,000	4000	22.22	36.38mm
2	2,000	1000	5.56	9.10mm
3	4,000	5000	27.78	45.48mm
4			0.00	

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TIMBER FLOOR SPECIALIST

Notes

delete

upload photo

Notes

delete

This section allows up to 12 photos to be taken

- Nash Timbers Emailed Report
- PDF icon
- site inspection 130.pdf
- Site report identifies following issues
- 1. Sub floor moisture content is above acceptable level (need to apply moisture barrier)
- 2. Each Board will grow to 1.17mm, room 4mts wide 31mm control joint needed. (10mm under skirting & 1.5mm every 3rd board)

INSTALLATION

(THIS IS TO HELP HIGHLIGHT ISSUES THAT MAY NEED TO BE ADDRESSED WHEN CHOOSING TIMBER FLOORS)

SUB FLOOR	DIRECTION	MOISTURE	CONTROL JOINTS	GLUE
Ardet Moisture barrier Acoustic Level battens Sand sub floor	East to west South to North	Test MC before start Before nailing off Before sanding	1.5mm every 1 mt 10mm under skirting 1mm every board Acclimatise	No glue Strip Snake Trowel Full bed
NAIL		BORDER	APPROX TIME TO INSTALL	
Top Secret 2 nails/board 3 nails/ board Screw & Plug Clip	Aluminium Timber Silicon Cork Sikaflex	Varies depending if site is completely ready for floor installer. VARIABLES: Power, easy access, levelling, method of installation, site uncluttered, site sealed, no other trades where installing floor		

NASH TIMBERS SITE INSPECTION PROBLEMS IDENTIFIED & ADDRESSED IN A Renovation and addition to an existing home

Scenario 1: DOWNSTAIRS EXISTING FLOOR

ISSUES IDENTIFIED	WAYS TO ADDRESS
Moisture sub floor (damp soil, black around nails, musty smell)	Reduce MC In floor board Cross Ventilation, mechanical or vents
Existing floor MC =14.3%	Apply moisture barrier glue
Existing floor has lacquer finish-	Cross Sand
Existing floor unlevel	Cross sand Installation 1. Control joints as per EMC 2. Glue application 3. Nailing techniques



Moisture meter- Sub Floor testing at 14.3% (unable to install as MC variation is 3.2%)



Moisture meter- Floor Board testing at 11.1% (only 2% variation is acceptable between sub floor and floor board)

NASH TIMBERS TOOLS TO HELP CALCULATE CONTROL JOINTS



CONTROL JOINTS INSTALLATION

Nash Timbers completed a Site Checklist and performed the EMC calculation the result showed that each Roasted P-board will grow 1mm. On this information it was decided that 1mm packers would be put between each board. The packers are pulled out in 24 hours, already after 10 days the control joints have reduced 0.5mm. The 2nd photo shows the 1.5mm control joints after the packers are pulled out.



1MM SPACES PULLED OUT WITHIN 24 HOURS



1MM CONTROL JOINTS AFTER SPACES PULLED OUT



**NASH TIMBERS SITE INSPECTION
PROBLEMS IDENTIFIED & ADDRESSED IN A
Renovation and addition to an existing home**

Scenario 2: DOWNSTAIRS NEW ADDITION

ISSUES IDENTIFIED	WAYS TO ADDRESS
Concrete slab <u>uneven</u>	1. Ardit to level (then install ply) 2. Spike & level battens
Concrete slab moisture content above 75%	1. Apply moisture barrier 2. Lay plastic film
	Installation: 1. Control joints as per EMC 2. Glue application 3. Nailing techniques



Control joints allow for the timber to take in moisture. Depending on the site how many control joints will be installed

**NASH TIMBERS SITE INSPECTION
PROBLEMS IDENTIFIED & ADDRESSED IN A
Renovation and addition to an existing home**

Scenario 3: UPSTAIRS NEW FLOOR

ISSUES IDENTIFIED	WAYS TO ADDRESS
Substrate to clean	Cross sand
Increase heat (hot air rises)	Installation: 1. Control joints as per EMC 2. Glue application 3. Nailing techniques
Direct sunlight (large windows facing east or west)	1. Curtains or blinds 2. Tinted windows
Wet areas (excess water left on floor)	Ensure you remove water immediately

Corking



Cork is installed between 4 to 6 metres depending on the width of the board and also around the borders of the room where there is no skirting board

Several different climates can develop, causing areas of flooring to respond differently within the same dwelling.

These include:

- direct sunlight
- extremes in temperature
- large expanses of glass
- fireplaces
- refrigerators
- air-conditioners
- appliances that vent warm air
- aspect of the house
- two-storey construction



Nash Timbers Site Inspection summary:

1. Nash Timbers visit site
2. Thorough site inspection is completed and discussed with builder
3. Problems identified
4. Photos taken
5. Different solutions discussed
6. Nash Timbers Site Report and photos emailed with quote