

# **Building Inspection Report**

# **Inspection Details**

**Date / Time of Inspection:** Tuesday, 19 September 2023 @ 09:00 AM

**Type of Report:** Pre-Purchase Building Inspection

Address of Property: Sample Report

# **Client Details**

Client Name: Sample Report

Client Email Address: Sample Report

**Client Phone:** Sample report

# Real Estate Agent De ail.

**Agent Name:** 

Company:

Mobile:

Email / Cress.

# In ne or Jetails

Inspector Name: David Roth

**Inspector Office:** Victoria

**Inspector Phone:** 0420528992

Inspector Email Address: info@ispect.com.au

# **iSPECT**

**Building Inspection Report** 

SPFCT Building Inspections offers property inspection services for your property, by highly qualified inspection experts. Each of the inspectors agrees to comply with and are performance managed against iSPECT's Code of conduct. For further information about your report call 1300 477 328 or for further information on our code of conduct please visit https://ispect.com.au/code-of-conduct



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# 1. Description of property

# Brief description of the building and other structures on the property:

Туре:	Freestanding House Domestic				
Bedrooms:	4				
Bathrooms:	1				
Ensuites:	1	X			
Car Park:	Double				
Height:	Single Story				
Building:	Mixed construction				
Piers:	-				
Floor:	Slab				
Roof:	Tile				
Age:	2020s				
Image of property:					





Fine	time of inspection?
	operty furnished at time of inspection?
No	perty furnished at time of inspection:
Please note:	To conduct an inspection in accordance with AS 4349.1 the property would be vacant of all furnishing to a thorough visual inspection.
Wasthore	
No No	evidence of any extensions at time of inspection?
Comment:	
Comment.	
Services co	onnected to property
Electricity:	Yes
Comment:	
Gas:	Yes
Comment:	
Water:	Yes
Comment:	. 0.
Sewer:	Yes - Not tested
Comment:	
Drainage:	Yes - Not rested
Comment:	
Smoke Detect	Yes Not tested
Comment	<b>^</b>



Definition of terms used	to describe the current state of repair for each item inspected
Condition Visually Fine:	When the Inspector has viewed the subject area and sees no major defect, and sees no safety hazard.
General Advice/Minor Defect	A general impression regarding the extent of minor defects. Minor defects are common most properties and may include minor blemishes, corrosion, cracking, weathering, ge deterioration, unevenness, and physical damage to materials and finishes, such as desilvering of mirrors. It is expected that defects of this type would be rectified as part of normal ongoing property maintenance.
Major Defect	A defect of sufficient magnitude where repair works must be carried out, in order to unsafe conditions, loss of utility or further deterioration of the property. Repairs show carried out by a suitably qualified or licenced trades person. A Major Defect where unconditions are immediately present and which must be repaired at the early appoint of the conditions.
Unable to Inspect Due to access:	An area of the site where there is insufficient, unsafe or unreasonable access.
Not Applicable (N/A):	When the subject field doesn't make up any part of the inspected preperty.
Report Definition	
Shower Recesses:	Tests may be made on shower recesses to detect teeks (if forter is connected). The test not reveal leaks or show incorrect waterproofing usilical liquid or masonry sealant habeen applied prior to the inspection, such applications a temporary waterproofing meand may last for some months before breaking down. The tent of shower recesses are limited to running water within the recesses and visually backing for leaks. As shower only checked for a short period of time, prolonged use may reveal leaks were not detect at the time of inspection. No evaluace of a current leak during inspection does not necessarily mean that the shower mass not leak.
Glass Caution:	Glazing in some building (built before 1572) may not necessarily comply with current g safety standards AS1288. In the interests of safety, glass panes in doors and windows especially in high traffic areas should be replaced with safety glass of have shatterproprints alled.
Stairs & Balustrades:	The Australian Building code 1.3 require that covering stairs, landings and balustrades ensure the safety of a voccupants and visitors to a building. Those built prior to 1996 m not comply with the current standard. You must upgrade all such items.
Swimming Pools:	A pool is subject to a special purpose property report and is not applicable to this repo
Rooms Below Ground Level:	Rooms under the house or below ground level (whether they be habitable or not) may subject to dampness and water penetration. Drains are not always installed correctly these areas or could be blocked. It is common to have damp problems and water entry these spaces, especially during periods of heavy rainfall and may not be evident on the of the visual to spection. These rooms may also not have council approval. The purchas should make their own enquiries to Council to ascertain if approval was granted.
Owners Corporation:	If the property is covered by an Owners Corporation (Strata Title) iSPECT recommend to an Owners Corporation search be conducted to ascertain their financial position, the left of maintenance afforded and any other relevant information that may impact your future ownership of the property.



# 3. Inspection Agreement

## **Requirement for inspection agreement**

AS 4349.1 - 2007 requires that an inspection agreement be entered into between the inspector & the client prior to the conduct of the inspection. This agreement sets out specific limitations on the scope of the inspection and on limits that apply in carrying it out. Where specific State or Territory requirements apply in addition to the scope of work in this agreement, or where the inspector and client agree to additional matters being covered, that additional scope is listed at the end of this agreement. It is assumed that the existing use of the building will continue.

AS 4349.1 - 2007 requires that the basis for comparison is a building of similar age and similar type to the subject building a which is in reasonable condition, having been adequately maintained over the life of the building. This means that building inspected may not comply with Australian Standards, building regulations or specific state or territory requirements applications the time of the inspection.

## **Purpose of inspection**

The purpose of the inspection is to provide advice regarding the condition of the property at the time of the inspection.

# Reasonable Access to the property at time of inspection?

Yes

Limited access to the roof space, due to heating/cooling duct Note: being low-lying not allowing for bodily access.

Areas where reasonable entry is denied to the inspector or where re hable ac ble are excluded from and do not of entry form part of the inspection. Access limitations may include legal ri doors, security system, pets, furniture or other obstructions. Physical access limitations may include height, i ce, thick vegetation, small roof or crawl space and adverse weather conditions. The report shall identify a or item within the scope of the inspection that was not inspected and the factor that prevented inspection.
The extent of accessible areas shall be determined by the inspector at the the

of inspection based on the conditions eas that are within the inspector's line of sight encountered at that time. The inspection shall include only accessible areas a and close enough to enable reasonable appraisal.

Reasonable access includes a prerequisite that the mini ances specified in the table below are safely available. Dimensions for reasonable access:

- I space; and accessible from a 3.6m ladder; Roof Interior: 400mm x 500mm access hold 0mm
- Roof exterior: 400mm x 500mm access hole; wl space; and accessible from a 3.6m ladder placed on the ۱m` ground

Supplementary notes:

- Reasonable access does not include he cuttir access holes or the removal of screws and bolts or any other fastenings or sealants to access covers.
- Sub-floor areas sprayed with chemic are not inspected unless it is safe to do so.

## **Conditions**

An inspection report m ditional d

- itions are ecent occupancy and use of services that mightaffect observations. The client or agents of the client. nditions Prevailing weather
- Information ovide
- Delibera defects. almei
- actor imiting the inspection. Any ot

#### Scope of i spec lon

## reported on, general exclusions detailed in AS 4349.1 - 2007

- building that are under construction;
- ection is not intended to include rigorous assessment of all building elements in a property;
- that would only be apparent under particular weather conditions or when using particular fittings & fixtures;
- Defects not apparent due to occupancy or occupancy behaviour e.g. non-use of a leaking shower;
- · The inspection report is not a certificate of compliance of the property within the requirements of any Act, regulation, ordinance, local law or by-law and is not a warranty against problems developing with the building in the future;
- Unauthorized building work or of work not compliant with building regulations;
- Title and ownership matters, matters concerning easements, covenants, restrictions, zoning certificates and all other lawrelated matters:
- Estimation of the cost of rectification of specific defects.

#### What is not reported on, specific exclusions detailed in AS 4349.1 - 2007

· Footings below ground, concealed damp-proof course, electrical installations, operation of smoke detectors, light switches and fittings, TV, sound and communication and security systems, concealed plumbing, adequacy of roof drainage as installed,



gas fittings and fixtures, air conditioning, automatic garage door mechanisms, swimming pools and associated filtration and similar equipment;

• The operation of fireplaces and solid fuel heaters, including chimneys and flues, alarm systems, intercom systems, soft floor coverings, electrical appliances including dishwashers, incinerators, ovens, ducted vacuum systems, paint coatings except external protective coatings, health hazards e.g., allergies, soil toxicity, lead content, radon, presence of asbestos or urea formaldehyde), timber and metal framing sizes and adequacy, concealed tie downs and bracing, timber pest activity, other mechanical or electrical equipment (such as gates, inclinators);

· Soil conditions, control joints, sustainable development provisions, concealed framing-timbers or any areas concealed by wall linings or sidings, landscaping, rubbish, floor cover, furniture and accessories, stored items, insulation, environmental matters e.g. BASIX, water tanks, BCA environmental provisions, energy efficiency, lighting efficiency.

#### What is reported on

The inspection includes subjective appraisal by an inspector competent to assess the condition of residential buildings. It involves a subjective assessment so different inspectors or even the same inspector on a different occasion may reach diffe conclusions.

The inspection comprises a visual assessment of the property to identify major defects and to form an opinion regarding general condition of the property at the time of inspection. The following areas shall be inspected where applicable:

- · The interior of the building: ceilings; walls; floors; windows; doors & frames; kitchen; bathroom; WC; ensuit damp problems;
- The exterior of the building: walls (including lintels, claddings, doors & windows); timber or steel frames & chimneys; stairs; balconies, verandas, patios, decks, suspended concrete floors, balustrades;
   The roof exterior: roof (including tiles, shingles & slates, roof sheeting, gables, flashings); skylights vents from the roof exterior. ructures;
- guttering; downpipes; eaves, fascia's and barges;
- The roof space: roof covering; roof framing; sarking; party walls; insulation;
- ded concr
- The sub-floor space: timber floor (including supports, floor, ventilation, drainage, damp); sus.
   The property within 30m of the house and within the boundaries of the site: car accommodation undry, ablution 700mm high); tached facilities and garden sheds; retaining walls (where supporting other structures and lands paths & driveways; steps; fencing (general & swimming pool); surface water (drainage e



# 4. Terms & Conditions

#### **iSPECT Terms & Conditions**

#### General

- 1. iSPECT Building Inspections (iSPECT) has prepared this report in accordance with the guidelines of **Australian Standard 4349.1 2007 Inspection of buildings Part 1: Pre-purchase inspections Residential Buildings** (the Standard) which covers the minimum requirements for the visual inspection of residential buildings and based on the inspection of the property by the Inspector named in the building inspection report.
- 2. The Report is prepared for the sole and exclusive use of the Client (person, persons or body) named in the Booking Confirmation and cannot be used or acted upon by any other party without the express permission of iSPECT.
- 3. The Terms and Conditions are available on the website: www.iSPECT.com.au and can change without notice.
- 4. The Client, having been provided with the opportunity to read these Terms and Conditions following the making of a booking and a payment for an inspection, accepts these Terms and Conditions.
- 5. The Client acknowledges that these Terms and Conditions take precedence over any oral or written representations made by iSPECT or the Inspector, to the extent of any inconsistency.
- 6. A report prepared in accordance with the Standard is not a certificate of compliance of the property within the sequencents of any Act, regulation, ordinance, local law or by-law, or as a warranty or an insurance policy against problems developing with the building in the future.

## The Inspection

- 7. All inspections will be a **non-invasive visual** inspection and will be limited to those areas and sections of the property to which Reasonable Access (see below) is both available and permitted on the date and time of this personal.
- 8. The inspection is undertaken, and the Report prepared, by the Inspector on the Issumption that the existing use of the Inspected Property will continue. As such, the Inspector will not assess the fitness of the Inspected Property for any other intended purpose. We advise you to verify any proposed change in the of the Inspected Property with the relevant authorities.
- 9. Where the Inspected Property is a unit or apartment (Strata Title), inspected areas will be limited to the nominated residence and does not include common property. i.e. Only those items listed on the steel be reported.
- 10. The Inspected Property shall be compared with a building that was constructed in accordance with the generally accepted practice at the time of construction and which has been mainteined such that there has been no significant loss of strength and serviceability.

#### **Reasonable Access**

- 11. The Standard provides that "safe and reasonable access" shall be determined by the inspector at the time of the inspection, based on the conditions encountered at the time of inspection. An inspector shall only inspect areas where safe, unobstructed access is provided and where the minimum clearances are available or, where these clearances are not available, areas within the inspector's unobstructed line of sight are close an uph to enable reasonable appraisal.
- 12. Minimum clearances are defined as a cleast 600 mm vertical and horizontal clearance for roof space and sub floor area access. The interior and exterior roof must be accessible from a 3.6 metre high ladder for reasonable access to be available.
- 13. Reasonable access does not include cemounts screws and bolts to access covers. Nor does reasonable access include cutting or making access traps of making furnishing or stated goods.

#### Limitations

- 14. **No assessment or identification** is made of asbestos or asbestos related products, toxic mould, Methamphetamine or other harmful substance. Asbestos dust is a hazardous material and should not be disturbed. It is vital that asbestos is not sawn, sanded, drilled or vater blasted, etc. For more information about the handling and disposing of asbestos contact your local council.
- 15. Our inspection does not assess the operation of appliances, alarms, security and communication systems, smoke detectors, heating and cooling systems, blinds (internal and external), soft furnishings, telephones, spa and pool equipment, building automation electrically operated doors, plant and equipment. Any item not specifically noted in this Report is excluded from the inspection of the Inspected Property. We suggest that a licensed tradesperson be contacted for a separate report in respect of gas or electrical appliance and fittings.
- No itself of furniture or fixtures will be removed, moved or modified during the inspection and items and conditions covered by such furnishings and fixtures are not inspected or considered. Nor do we assess the condition of conspicuous, non-structural items such as carpets, vinyl floor coverings etc.
- 17. The Inspector can only make comment about the general, visible condition of electrical wiring and plumbing. We suggest that a licensed tradesperson be contacted for a separate report.

#### **The Inspection Report**

18. The Report must be read carefully and, in its entirety, to gain a complete understanding of the findings of the inspection of the Inspected Property. It will help you understand the limitations faced by an inspector and why it is not possible to guarantee that a property is completely free of defects.



- 19. This Report describes the visual assessment of the Inspected Property including: the relevant features of the Inspected Property within 30m of the building and within the boundaries of the site, the prevailing structural, soil and weather conditions at the date and time of the inspection.
- 20. The Report is a subjective assessment of the Inspected Property and therefore outlines the opinion of the Inspector on the general condition of the Inspected Property at the date and time of the inspection in relation to major defects or safety hazards and a general advice on minor defect items.
- 21. The Report does not cover any part of the building located beneath the ground surface or identify any unauthorised building work or of work not compliant with building regulations.
- 22. An estimate of the costs of rectification of defects is not required in accordance with the Standard.
- 23. Any maintenance and general advice items are intended as a helpful guide. The Report is not an exhaustive list of all maintenance and advice items.
- 24. The Report provides no guarantee and is not a warranty against problems developing with the Inspected Property in future.
- 25. This Report is not a rigorous assessment of all building elements and does not cover all maintenance items. This Report also does not cover defects in inaccessible areas, defects that are not reasonably visible, defects that may only be apparent in certain weather conditions or defects that have not yet arisen due to prolonged periods of wet or dry weather or other subsequent events.
- 26. The Building or Pre-purchase Inspection Report does not identify the presence of timber pests, a vary do mage sussed by timber pests (e.g. termites, borers, etc.). If you wish to include this, you will need to request a Timber Pest inspection report. If there is a concern regarding other types of pests then a fully qualified Pest Controller should be contacted.

#### Other matters

- 27. You should address legal and conveyancing matters such as title and ownership to our so fait or or legal appresentative. Compliance issues in relation to the positioning of services, privacy, vehicle access, the sting of the buildings, coning, permit or town planning issues or other legal matters should be directed to the relegant authority of to a solicitor or legal representative.
- 28. Unless otherwise notified, iSPECT Building Inspections will make pendor pure lased reports available to prospective buyers. Please advise within 48 hours of receipt of this report if, as a vendor you do not wish this report to be made available to prospective purchasers of the property.



# 5. Hallways and general living spaces



	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to inspect Due	Not Applicable
Floor		₫			
Walls	₫				
Ceilings			V		
Doors		₫			
Windows	₫				
Fireplace					₫
Stairs					₫
Balustrade					₫



Hallways and general living spaces Ceilings **Major Defect** 

## Comments

Check throughout, it is noted that there is an excessive amount of cracking occurring throughout the home, particularly to the junctions between the ceilings and the cornice, there are also a number of cracks to the ceilings and to the walls.

Note: Some of the cracking exceeds 3 mm.

It is recommended that I forensic structural engineer be engaged.



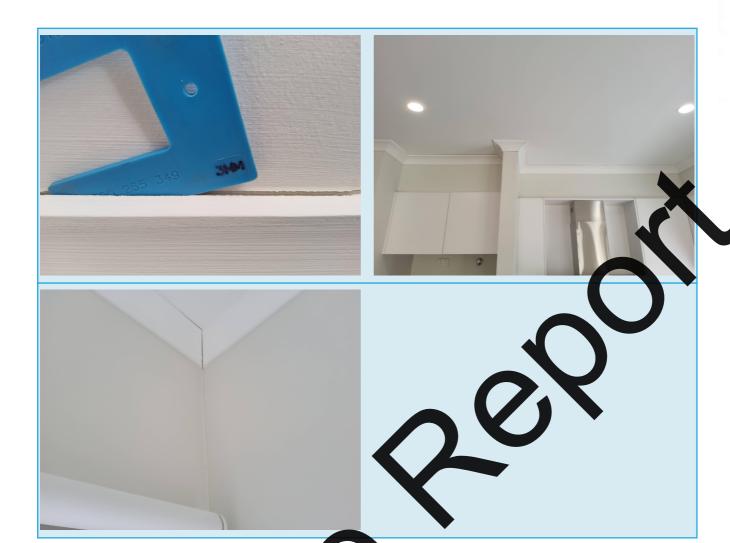












Hallways and general living spaces

**General Advice/Minor Defect** 

Floor

# Comments

Lounge, rear elevation left hand side, it is noted that the timber flooring appears to be short, adjacent to the external corner of the entry/passage.







Hallways and general living spaces

**General Advice/Minor Defect** 

Doors

## Comments

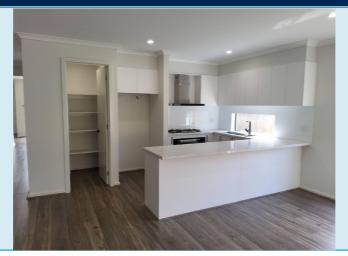
Entry, it is noted that there appears to be a hinge screw missing to the bottom hinge.







# 6. Kitchen



	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Access	Not Applicable
Floor	₫				
Walls	₫				
Ceilings	₫				
Doors		Ø			
Windows	đ				
Cabinets / Drawers	₫				
Benchtops	Ø				
Sink/Taps		Ø			
Appliances ( Oven, Range Hood, Dishwasher)		V			
Ventilation	V				
50					

Kitchen

**General Advice/Minor Defect** 

Sink/Taps

# Comments

It is noted that there appears to be some surface rust occurring to the kitchen sink.





## Kitchen

**General Advice/Minor Defect** 

Appliances (Oven, Range Hood, Dishwasher)

# Comments

It is noted that the oven racks appear to be missing.







Kitchen

General Advice/Minor Defect

Doors

# Comments

It is noted that the pantry door appears to be binding on the top of the door jamb.





# 7. Laundry



	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to his pect Due to Access	Not Applicable
Floor	₫				
Walls	₫				
Ceilings	₫				
Doors	đ				
Windows	₫				
Trough/Sink	₫				
Taps	Ø				
Cabinets	₫	D			
Sealants	Ø				
Exhaust Fans					₫
Ventilation					
xhaust Fans					<u> </u>

# 8. Bedrooms

# 8.1. Bedroom 1



	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Inspect Due to A.cess	Not Applicable
Floor	₫				
Walls	₫				
Ceilings	₫				
Doors		Ø			
Windows	₫	7			
Robes	Ø				
Smoke Detectors					₫

## Bedroom 1

**General Advice/Minor Defect** 

**Doors** 

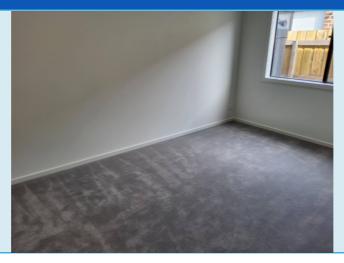
## Comments

It is noted that the latch appears not to engage with the striker plate, the door also appears to be misaligned, the difference from left to right at the top of the door is approximately 10 mm, this is an indication of excessive movement.





## 8.2. Bedroom 2



	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Ir spect Des	Not Applicable
Floor	₫				
Walls	₫				
Ceilings	₫				
Doors	₫				
Windows	₫				
Robes	₫				
Smoke Detectors					₫

## 8.3. Bedroom 3



	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Ir spect Due to Access	Not Applicable
Floor	₫				
Walls	₫				
Ceilings	₫				
Doors					
Windows	₫				
Robes	₫				
Smoke Detectors					₫

## **Bedroom 3**

**Major Defect** 

**Doors** 

# Comments





# 8.4. Bedroom 4

	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Irispect Des	Not Applicable
Floor	₫				
Walls	₫				
Ceilings	₫				
Doors		₫			
Windows	₫				
Robes	₫				
Smoke Detectors					₫

## Bedroom 4

**General Advice/Minor Defect** 

**Doors** 

## Comments

It is noted that the door appears to be misaligned, the difference from top to bottom on the latch side is approximately 10 mm, this is an indication of excessive movement.





# 9. Bathrooms

# 9.1. Bathroom 1



	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Inspect Duc to A.cess	Not Applicable
Floor	₫				
Walls	₫				
Ceilings	₫				
Doors		₫			
Windows	₫	7			
Shower Recess	₫ ·				
Shower Screen	₫	T			
Shower Rose	ď				
Bath	Ø				
Mixer Taps	V				
Cabinets	Ø				
Sealants		₫			
Basins	Ø				
Tojlet	_ ₫				
Ventilation	₫				

## Bathroom 1

**General Advice/Minor Defect** 

Doors

## Comments

WC 2 door, it is noted that the latch side of the door appears to be misaligned with the door stop, the difference from top to bottom is approximately 10 mm, this is an indication of excessive movement.





## Bathroom 1

**General Advice/Minor Defect** 

**Doors** 

## Comments

It is noted that the top of the door appears to be binding on the door jamb.





## Bathroom 1

**General Advice/Minor Defect** 

Sealant

# Comments

It is noted that there appears to be a gap to the silicon, located to the bottom right hand corner of the vanity unit.

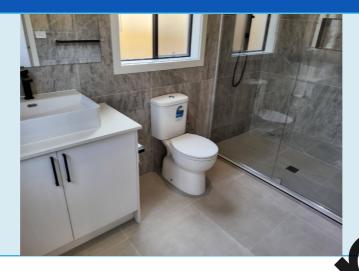






# 10. Ensuite

# 10.1. Ensuite 1



	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Inspect Due	Not Applicable
Floor	₫				
Walls	₫				
Ceilings	₫				
Doors	₫				
Windows	₫				
Shower Recess	Ø				
Shower Screen	đ				
Shower Rose	₫ <u> </u>				
Bath	П				₫
Taps					
Cabinets	Q				
Sealants	<u>V</u>				
Basins	ď				
Toilet	₫				
Ventilation	đ				

	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Inspect Due to Access	Not Applicable	
Walls	đ					
Windows	₫					
Doors	₫					
Fascia, Eaves, Bargeboards	₫				4	
Down Pipes	₫					
Deck, Verandah, Balcony, Patio						
Steps						
Handrails				•	<b>d</b>	
Pergola					<b>d</b>	
Oriveways and Paths	₫					
Retaining Walls					<b></b>	
Garage/Car Port		₫				
External > Exterior						
General Advice/Minor Defect Garage/Car Port						
Comments						
Garage, rear access d	loor, it is noted that t	he door appears to	be binding on the t	op of the door jamb.		



# 12. External of property > Roof areas Roof Type:

Roof Space Roof Valleys	<b>₫</b>			
	₫			
Valleye				
valleys	Ø			
Flashings	Ø			
Gutters	Ø	7		
Pointing	Ø			
Skylights				<b>I</b>
Vents	Ø			
Chimney				v
Chimney				<b>₫</b>



External > Roof Areas

**Condition Visually Fine** 

**Roof Space** 

## Comments

General photos of the roof space.







13. External of property > Sub floor areas						
	Condition Visually Fine	General Advice/Minor Defect	Major Defect	Unable to Inspect Due to Access	Not Applicable	
Sub Floor Ventilation					Ø	
Stumps					₫ 🛕	
Framing					ď	



# 14. Findings and summary

This Building Inspection summary provides you with a "snapshot" of the items the inspector considers of greatest significance for you, in respect of the building only, when considering this property. Please refer to the Definitions and the complete Report for detailed information regarding visible defects. Note that this Summary is not the complete Report and that in the event of an apparent discrepancy the complete Report overrides the Summary information.

#### **Report Summary**

The home presents in as new condition, although newly constructed, there appear to be a number of cracks occurring throughout the home which are of major concerned.

This report aims to address overall condition and the excessive cracking observed throughout the newly constructed home, particularly at the junctions between the ceiling and the cornice, as well as the noticeable misalignment of several doors. The report outlines the observed issues, possible causes, and recommends the engagement of a forensic structural engineer to conduct a comprehensive inspection to determine the root causes of these problems while adhering to relevant Australian standards and building codes.

Excessive amounts cracking in various areas of the newly constructed home, primarily concentrated at the junctions between the ceiling and the cornice. Additionally, the misalignment of several doors has been observed; it is important to note that the home is only a couple of months old, and these issues raise significant concerns about the quality of construction, adherence to standards, and structural integrity. A thorough investigation is required to understand the underlying causes in accordance with the Building Code of Australia (BCA) and the National Construction Code (NCC).

## **Cracking Issues:**

Location:

Cracks are primarily concentrated at the junctions between the ceiling and the comice. However, cracks have also been noted in other areas of the home, such as walls and ceilings.

#### Severity:

The cracking is extensive and ranges from hairline cracks to crathat exceed synm, more pronounced ones, suggesting an ongoing issue.

#### Patterns:

Cracks appear to follow specific patterns, often radiating from corners and intersections. Some cracks have horizontal or vertical orientations.

#### **Door Misalignment:**

Location:

Several doors throughout the home display noticeable missing ment, resulting in difficulties when opening and closing.

#### Severity:

The misalignment ranges from minor issues, such as sticking upors, to more significant problems where doors no longer align with their frames.

#### **Possible Causes:**

Based on initial observations and common factors associated with cracking and door misalignment issues, the following potential causes are identified, taking into account the fact that the home is only a couple of months old and should meet construction standards:

# Quality of Construction and Workmanship (BCA/NCC Part 2):

Inadequate workmans in a subpar materials, or construction errors during the building process could lead to the observed issues, despite the home's recent construction.

# Settlement and Foundation Movement (BCA/NCC Part 2):

If the foundation was not properly prepared or if settlement occurred prematurely, it could result in cracking and door misalignment.

# Compliance with Standards (BCA/NCC Section 1 - Compliance): An examination of whether the construction and materials used

An examination of whether the construction and materials used are in accordance with the Building Code of Australia and National Construction Code.

#### Recommendations:

To determine the exact causes of the excessive cracking and door misalignment while adhering to Australian standards and building codes, it is strongly recommended to engage a forensic structural engineer with expertise in building assessments. The engineer should conduct a comprehensive inspection that includes the following:

#### Visual Assessment:

Careful examination of the affected areas to identify patterns, severity, and potential structural issues, considering the recent construction.

#### **Testing:**

Non-destructive testing methods, such as ground-penetrating radar or moisture content measurements, to assess the foundation and structural components, ensuring compliance with standards.

#### **Documentation:**

Detailed documentation of findings, including photographs, measurements, and descriptions of observed issues.



#### **Analysis**

A thorough analysis of the data collected to determine the root causes of the problems, with a focus on compliance with standards for a newly constructed home.

#### **Recommendations:**

The engineer should provide a detailed report outlining the causes of cracking and door misalignment, along with recommended solutions for remediation, ensuring compliance with relevant Australian standards and the Building Code of Australia.

#### Conclusion:

The excessive cracking and door misalignment issues observed in the newly constructed home, despite its recent completion, require a professional investigation to identify their underlying causes while adhering to Australian standards and building codes. Engaging a forensic structural engineer is essential to ensure the quality of construction safety, and structural integrity. Once the engineer's findings are available, appropriate action can be taken to address resolve these issues effectively.

## **Major Defects noted**

Yes

A summary of any major defects found. A defect of sufficient magnitude where rectification has to be carried out without undue delay to avoid: unsafe conditions, posing a threat to life or serious injury; loss of utility, whereby the defect is such that the whole of the relevant part of the building can no longer serve its intended function; or further substantial description of the building.

The excessive cracking and door misalignment issues observed in the newly constr e its recent de a dhe ire th completion, require a professional investigation to identify their underlying cause while ustralian ing to ential quality standards and building codes. Engaging a forensic structural engineer construction, an be taken to address and safety, and structural integrity. Once the engineer's findings are ava action resolve these issues effectively.

## **Major Structural Defect Noted**

Yes

A major defect in any internal or external primary load bearing component of the building which seriously affects the structural integrity of the building requiring rectification to be carried out without undue delay to avoid: unsafe conditions, posing a threat to life or serious injury; loss of utility, whereby the defect is such that the whole of the relevant part of the building can no longer serve its intended function; or further substantial detection of the building. In the case of cracking, a serious structural defect denotes severe cracking as defined by Category Appendix – Australian Standard AS 2870-2011.

The excessive cracking and door misalignment is used observed in the newly constructed home, despite its recent completion, require a professional investigation to identify their underlying causes while adhering to Australian standards and building codes. Engaging a forensic structural engineer is essential to ensure the quality of construction, safety, and structural integrity. Once the engineer's findings are available, appropriate action can be taken to address and resolve these issues effectively.



# **15. iSPECT Building Inspections**

The iSPECT Building Inspections is a national franchise building inspections business. iSPECT engages with trade qualified builders with a minimum of 10 years residential and commercial building experience to complete property inspections. Each home and building inspection completed is then detailed in a report that is completed to Australian Standards AS4349.0, AS4349.1 and/or AS4349.3. iSPECT has franchise nationally who are supported by a national call centre located at 8 Anderson Street, Port Melbourne. Our office locations follow:



