



Australian Government

CPCCW5004 Determine origin of water and moisture ingress into buildings

Release: 1

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Modification History

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 9.0.
Newly created unit.

Application

This unit of competency specifies the skills and knowledge required to determine the origin of water and moisture ingress into buildings.

The unit applies to Class 1 and 10 Buildings, and Class 2 to 9 Buildings.

The unit covers gathering information, carrying out the investigation, carrying out the analysis and reporting on findings and conclusions.

The unit is suitable for builders, building supervisors building surveyors, building designers, architects, waterproofing design specialists, waterproofing supervisors, and consultants, engineers or other design specialists.

Licensing, legislative, regulatory or certification requirements may apply to this unit. Relevant work health and safety (WHS) state and territory regulatory authorities should be consulted to confirm jurisdictional requirements.

Pre-requisite Unit

CPCWHS1001 Prepare to work safely in the construction industry

Unit Sector

Building and Construction

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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|------------------------|---|
| 1. Gather information. | 1.1 Identify areas of water ingress in consultation with stakeholder(s). |
| | 1.2 Gather relevant drawings, historical reports, design or structural specifications and certification where |

- available.
- 1.3 Identify signs and symptoms of the water or moisture ingress.
 - 1.4 Confirm scope of project based on information and evidence.
2. Carry out investigation.
- 2.1 Identify potential water and moisture ingress points into buildings.
 - 2.2 Determine if non-destructive or destructive investigation is required in consultation with stakeholders.
 - 2.3 Select tools and technologies to carry out inspections and testing procedures in accordance with site conditions.
 - 2.4 Carry out inspection and testing using valid testing methods in accordance with testing protocols and against controls and references.
 - 2.5 Record findings of investigation and testing protocols.
 - 2.6 Compare findings to information and evidence of water and moisture ingress areas and carry out further investigations where required.
3. Carry out analysis.
- 3.1 Collate evidence from investigations and testing in accordance with protocols.
 - 3.2 Analyse causes of water and moisture ingress as determined by investigations and collected evidence.
 - 3.3 Determine if external factors have influenced the findings.
 - 3.4 Carry out re-testing to confirm influence of external factors where required.
 - 3.5 Record results of analysis for stakeholders in accordance with evidence to inform report.
4. Report findings and conclusions.
- 4.1 Collate, sort and prioritise information according to the scope requirements within a report.

- 4.2 Support diagnostic report findings with relevant references to regulatory requirements, Australian Standards, design and manufacturers' requirements in accordance with stakeholder brief.
- 4.3 Determine requirements for further support testing, follow-up investigations and monitoring of area in accordance with inspection and testing protocols.
- 4.4 Communicate relevant and supported conclusions according to stakeholder expectations, context and requirements in accordance with report brief.
- 4.5 Document the report in accordance with report brief.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

No equivalent unit.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>