



Australian Government

**Assessment Requirements for
CPPBDN4106 Investigate materials for
construction of Class 1 and 10 buildings**

Release: 1

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Modification History

Release 1 This version first released with CPP Property Services Training Package Release 11.0.

Supersedes and is not equivalent to CPPBDN4001 Research and evaluate construction materials and methods for building design projects.

CPPBDN4001 Research and evaluate construction materials and methods for building design projects was split to create two units. This unit is based on the construction materials component. Updated to meet the Standards for Training Packages 2012.

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by compiling a portfolio of information on materials used in the construction of Class 1 and 10 buildings, as defined in the National Construction Code (NCC), suitable for:

- structural elements
- building envelope
- coating and finishing.

The portfolio must identify sources that can be used in the future to access up-to-date information.

Knowledge Evidence

To be competent in this unit, a candidate must demonstrate knowledge of:

- NCC building classifications
- relevant legislation and Australian Standards
- construction terminology associated with materials used in the construction of Class 1 and 10 buildings
- conventional and sustainable construction materials
- relevant properties and characteristics of construction materials used for Class 1 and 10 buildings:
 - aesthetic
 - required protection
 - durability: weather and pest resistance
 - fire resistance
 - fixing requirements

- thermal performance
- health and safety
- stress grading
- performance requirements of construction materials used for Class 1 and 10 buildings including compatibility, interactions with other materials and reinforcement
- sustainability requirements of construction materials used for Class 1 and 10 buildings:
 - lifecycle
 - recyclability
 - thermal performance
 - embodied energy and carbon footprint.

Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations. Competency is to be assessed in the workplace or a simulated environment that accurately reflects performance in a real workplace setting where these skills and knowledge would be performed. This includes access to:

- computer with internet access and word processing software
- relevant regulations, codes and standards
- technical reference sources with current information on construction materials.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=6f3f9672-30e8-4835-b348-205dfcf13d9b>