



**Australian Government**

# **Assessment Requirements for CPCCSV5009 Assess the impact of fire on building materials**

**Release: 2**

# Assessment Requirements for CPCCSV5009 Assess the impact of fire on building materials

## Modification History

- |           |                                                                                                                                                                                                            |
|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Release 2 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.<br><br>Changes to the Application.                                                                  |
| Release 1 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.<br><br>Supersedes and is equivalent to CPCCSV5009A Assess the impact of fire on building materials. |

## Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by:

- performing fire research, analysis, identification and reporting of findings for at least one fire assessment or equivalent, including at least three different materials
- assessing applicable fire safe suitable building materials for at least one building project
- providing reports to appropriate body/individual as determined by the project brief.

## Knowledge Evidence

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

- characteristics of endothermic and exothermic processes
- effects of fire on structural and non-structural elements:
  - behaviour of building materials subject to extreme heat
  - combustion of materials
  - fire loads of buildings
  - fire resistance of materials
  - flammability circumstances
  - heat transfer characteristics
  - point of fire burning conditions
- extinguishment principles
- limiting adiabatic flame temperature (LAFT) values
- materials:
  - timber
  - plastic

- fabric
- other types of fire load forming building materials
- principles of combustion and flammability
- processes for the preparation of documentation
- relevant federal, state or territory legislation and local government policy and procedures
- research methods:
  - definitions and test outcomes
  - material safety data sheets (MSDS)
  - reports
  - written records and historical data.

## Assessment Conditions

Assessors must meet the requirements for assessors contained in the Standards for Registered Training Organisations.

This unit must be assessed in the workplace or a close simulation using realistic workplace conditions, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

## 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>