UNIT CODE	CPCCBL3014
UNIT TITLE	Install fire-rated masonry construction
APPLICATION	This unit specifies the skills and knowledge required to install fire-rated masonry construction. It includes laying fire resistant masonry to buildings, walls and service openings This unit applies to bricklayers and block layers who work on new and existing structures. It is suitable for people operating with some autonomy. A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without needing close supervision. Completion of the general construction induction training program specified by the model Code of Practice for Construction Work is required for any person who is to carry out construction work. Achievement of *CPCCWHS1001 Prepare to work safely in the construction industry* meets this requirement. No licensing, legislative or certification requirements apply to this unit at the time of publication.
PREREQUISITE UNIT	CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry
ELEMENTS	PERFORMANCE CRITERIA
Elements describe the essential outcomes.	Performance criteria describe what needs to be done to demonstrate achievement of the element.
1. Prepare for work.	1.1 Select, fit correctly and use personal protective equipment (PPE) appropriate for job. 1.2 Read, interpret and apply fire-rated masonry construction requirements from current plans, specifications, standards and codes. 1.3 Follow requirements in workplace safety and environmental documentation and workplace procedures. 1.4 Identify fire resistance level (FRL), location and composition of masonry wall. 1.5 Use measurements and apply formulas to calculate material quantities. 1.6 Determine job priorities and sequence job tasks in consultation

	with others on site. 1.7 Identify potential hazards and determine and implement control measures. 1.8 Select and check condition of plant, equipment and tools and report damage or malfunction to relevant person. 1.9 Check conformity of materials against the specifications and place materials in preparation for the work.
2. Construct masonry wall.	2.1 Set out and mark position, gauge and bond of masonry wall. 2.2 Mix mortar and check consistency with job requirements. 2.3 Construct fire-rated masonry wall maintaining bond, gauge and level to the set-out height. 2.4 Remove excess mortar, rake or rule joints to specified profile and depth. 2.5 Clean and brush down face of brickwork prior to mortar drying.
3. Clean up.	3.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements. 3.2 Clean tools and equipment, check for serviceability and report damage or faults. 3.3 Store and secure tools and equipment following workplace procedures.
FOUNDATION SKILLS Candidates require: • technology skills to: o use digital tools and devices to source job information and communicate effectively with others.	
UNIT MAPPING INFORMATION	Supersedes and is equivalent to CPCCBL3014A Install fire-rated masonry construction
LINKS	Companion volumes to this training package are available at the VETNet website: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad

TITLE	Assessment requirements for CPCCBL3014 Install fire-rated masonry construction

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by constructing a 2.1 m long x 2.0 m high fire-resistant masonry wall.

In doing this, the candidate must:

- install a fire-rated steel door jamb
- fire-proof two service penetrations of various sizes
- fit fire-rated insulation between brick wall and roof covering
- comply with fire control and separation requirements of National Construction Code (NCC) and other standards and legislation.

KNOWLEDGE EVIDENCE

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

- characteristics, applications and limitations of materials used in fire-rated masonry construction:
  - mortar ingredients
  - fire-resistant masonry blocks and bricks
  - fire seals and insulation
- principles of heat and effects on materials
- fire control and separation required by the NCC and other legislation:
  - fire resistant levels (FRL) of materials used in fire-rated masonry requirements
- processes and techniques for:
  - installing fire-rated masonry
  - damp proofing and flashing
  - installing fire-rated steel door jambs
  - fitting continuous fire-rated seal between structure and roof cladding
- construction terminology relating to fire-rated masonry construction
- functional and operational features of plant, equipment, hand and power tools
- workplace safety:
  - job safety and environmental analysis (JSEA)
  - work at heights
  - hazardous manual handling
  - exposure to silica
  - exposure to loud noise
- acceptable brickwork tolerances stated in Australian Standards and building codes
- features of working drawings and specifications
- environmental requirements for workplace processes and waste disposal.

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 reflecting workplace conditions and standards, materials, equipment, activities, responsibilities, procedures, safety requirements and environmental considerations.	
LINKS	Companion volumes to this training package are available at the VETNet website: https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad