UNIT CODE	CPCCBL2001
UNIT TITLE	Handle and prepare bricklaying and blocklaying materials
APPLICATION	This unit specifies the skills and knowledge required to safely handle bricklaying and blocklaying materials using manual and mechanical means. It includes sorting, stacking and protecting onsite materials. This unit applies to those who carry out preparatory bricklaying and blocklaying work on new or existing structures. It is suitable for people with basic skills and knowledge who undertake routine work tasks under the direction of more experienced workers. 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 and interpret bricklaying and blocklaying requirements from current plans, specifications and codes. 1.3 Follow relevant information from workplace procedures, workplace safety and environmental documentation. 1.4 Calculate brick and block quantities and materials required for the task. 1.5 Determine job priorities and sequence job tasks in consultation with others on site. 1.6 Identify potential hazards and determine and implement control measures.

	1.7 Select and check condition of tools and equipment and report damage or faults to appropriate person. 1.8 Check materials against the delivery docket and report damage and inconsistencies to supervisor.
2. Handle, sort and stack materials.	2.1 Prepare work area for loading of materials. 2.2 Identify method of handling and moving onsite materials. 2.3 Follow job instructions to prepare, sort and handle materials. 2.4 Apply safe and effective manual handling techniques when unloading, lifting, moving and loading materials. 2.5 Position materials for ease of access and clear of walkways.
3. Mix bricklaying and blocklaying mortar.	3.1 Set up, level and stabilise cement mixer. 3.2 Conduct a pre-operation check on cement mixer. 3.3 Mix mortar using correct ingredient ratios and process as instructed. 3.4 Confirm the quality and consistency of the mortar with relevant person.
4. Clean up.	4.1 Clear the work area, and dispose of, reuse or recycle materials following workplace and environmental requirements. 4.2 Clean tools and equipment, check for serviceability and report damage or faults. 4.3 Store, secure and protect tools, equipment and materials following workplace procedures.
FOUNDATION SKILLS Candidates require: • oral communication skills to: o understand and follow spoken instructions o use suitable industry and workplace language o use questions to confirm instructions • 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 CPCCBL2001A Handle and prepare bricklaying and blocklaying materials

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 CPCCBL2001 Handle and prepare bricklaying and blocklaying materials

PERFORMANCE EVIDENCE

To demonstrate competency in this unit, a candidate must meet the performance criteria of this unit by preparing one bricklaying and one blocklaying project on ground level.

In doing this, the candidate must:

- use manual techniques to appropriately position a pallet of bricks and blocks to reflect the laying sequence of the project
- blend bricks and blocks from different pallets to achieve a balanced masonry finish
- produce consistent mortar mixes to a strength factor of M3 using the bucket gauging technique
- relocate a pallet of bricks using mechanical equipment
- stack bricks and blocks and load mortar boards on a raised platform.

KNOWLEDGE EVIDENCE

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

- terminology relating to bricklaying and blocklaying
- relevant building and construction standards and codes
- environmental requirements for workplace processes and waste disposal
- characteristics, applications and limitations of specified materials for bricklaying and blocklaying:
    - clay bricks
    - solid and hollow blocks
    - pavers
    - refractory bricks and mortars
    - various natural and manufactured stone
    - aggregates, cement, lime, mortar additives
- processes and techniques for:
    - laying bricks and blocks
    - mixing mortar
    - manual handling
    - mechanical handling
- functional and operational features of plant, equipment and hand and power tools:
    - cement mixers
    - brick cutting saw
    - brick buggies
    - elevators
    - forklifts

o materials hoists o pallet trolleys o scaffolds • workplace safety: o job safety and environmental analysis (JSEA) o hazardous manual tasks o exposure to silica o exposure to loud noise o electrical hazards and the use of earth leakage boxes.
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.

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