

Unit of Competency CPCCCA3003 Install flooring systems

Application

This unit of competency specifies the skills and knowledge required to plan, prepare, set out and install timber and steel flooring systems to support the internal and external walls of a residential building, meeting all relevant requirements of the National Construction Code (NCC), Australian Standards, work health and safety (WHS), and Commonwealth and state or territory legislation and National Association of Steel-Framed Housing (NASH) standard for steel-framed construction in bushfire areas.

The unit includes installation of flooring systems in bedrooms, living areas, kitchens, bathrooms, balconies and decks.

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 and Performance Criteria

1. Plan and prepare.	<ul style="list-style-type: none">1.1 Read and interpret work instructions and plan sequence of work.1.2 Plan all work to comply with laws and regulations, the National Construction Code (NCC), Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, workplace requirements, drawings and specifications.1.3 Select tools and equipment, check for serviceability and report any faults.1.4 Select and use personal protective equipment (PPE) as required for each stage of the task.1.5 Inspect work site, locate services, assess hazards and apply risk controls, including required signage and barricades.1.6 Select materials required for task, calculate quantities, handle safely and prepare and position ready for use.
2. Set out and install support structure.	<ul style="list-style-type: none">2.1 Position support structure, stumps/piers to set-out lines, drawings and specifications.2.2 Install support structure.2.3 Check support structure, posts, stumps and piers for level, plumb and square.
3. Install bearers.	<ul style="list-style-type: none">3.1 Mark and cut bearer material to lengths for joining over supports.3.2 Make arrangements for damp proof course and termite shield to be installed where specified by regulations.

	3.3	Locate and fix bearers and check and adjust for square, in-line and level.
	3.4	Fix waling plates for decks and balconies to external walls.
4. Install floor joists.	4.1	Set out location for floor joists using spacings in accordance with drawings and specifications.
	4.2	Check floor joists for straightness, then fit and fix to line and level.
	4.3	Fit and fix supporting blocks and trimmers around doorways and openings.
	4.4	Cut, fit and fix trimmers to support sheet flooring joints.
5. Install flooring.	5.1	Check flooring materials for suitability.
	5.2	Confirm floor measurements and cut and prepare flooring materials for installation with a minimum of waste.
	5.3	Install and secure flooring to manufacturers' specifications.
6. Clean up.	6.1	Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling.
	6.2	Check, maintain and store tools and equipment and report any faults.

Foundation skills

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

Unit Mapping Information

Supersedes and is equivalent to CPCCCA3003A Install flooring systems.

Links

Companion Volume Implementation Guide:

<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCCA3003 Install flooring systems

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by installing each of the following flooring systems:

- a bearer and joist system on supports to carry external walls and internal walls parallel to joists for a home or equivalent, not less than 30 square metres, including:
 - balcony/deck fixings
 - deep joists
- a tongue and groove fitted strip flooring surface, not less than 5 square metres
- an approved wet-area floor system, not less than 5 square metres
- a sheet platform system for a home or equivalent, not less than 10 square metres.

Knowledge Evidence

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

- compliance requirements of the National Construction Code including requirements for attachment of decks, Australian Standards and National Association of Steel-Framed Housing (NASH) Standards relevant to installing flooring systems
- workplace quality policies and standards for installing flooring systems
- safety requirements for installing flooring systems
- requirements and arrangements for installing damp proof systems and termite barriers
- floor and flooring system types, characteristics, construction methods and installation techniques
- application of the following floor framing:
 - premanufactured joists
 - conventional bearers and joists
 - drop-in (or in-line or deep) joist construction
 - sub-floor frame, including timber or steel
 - sub-floor support construction
- flooring support systems:
 - concrete stumps
 - masonry piers
 - patented adjustable supports
 - steel posts
 - timber or brick walls
 - timber stumps
- flooring system materials and their uses as required by the National Construction Code (NCC) and other legislation:
 - strip flooring
 - engineered products
 - floor boards
 - sheet products
- acclimatisation of flooring materials
- types of imposed loads and their effects
- types of insulation products

- plans, specifications and drawings for installing flooring systems
- types and uses of tools and equipment used to install flooring systems
- processes for calculating material requirements to minimise waste when installing flooring systems
- regulatory requirements applicable to floor framing and flooring
- setting out and levelling techniques.

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 and standards, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

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