

Unit of Competency CPCCCA3010 Install windows and doors

Application

This unit of competency specifies the skills and knowledge required to plan, prepare and install window and door units, meeting all relevant requirements of the National Construction Code (NCC), Australian Standards, work health and safety (WHS), and Commonwealth and state or territory legislation.

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. Install window units.	<ul style="list-style-type: none">2.1 Check wall frame opening for adequate clearance for window unit.2.2 Position window unit with packing and flashings so that the head and sill are level, stiles are plumb and in wind, and reveals or frame are finished flush with face of inside wall lining.2.3 Select type, gauge and quantity of fasteners as per <i>Australian Window Association - An Industry Guide to the Correct Fixing of Windows and Doors</i> and fix window to wall frame.
3. Prepare internal and external door	<ul style="list-style-type: none">3.1 Check wall frame for adequate clearance for door frame.3.2 Mark door jamb and head, cut to length, allowing for door clearances.

openings, and construct and fix jamb.	3.3	Trench the door head to accommodate jambs, allowing for specified clearances.
	3.4	Assemble, square, fix and brace door frame with flush rebates.
	3.5	Select type, gauge and quantity of fasteners as per <i>Australian Window Association - An Industry Guide to the Correct Fixing of Windows and Doors</i> . Install door frame into wall frame opening, ensuring the door jambs are plumb and in wind, positioned flush to linings, head is level, and all appropriate flashings are in place.
4. Install door.	4.1	Mark out hinges and fit to door and jamb.
	4.2	Fit door to frame and adjust gaps to requirements of <i>AS2688 Timber and composite doors</i> .
	4.3	Fit and fix door furniture and door stop components to manufacturers' specifications.
5. Install cavity door and door unit.	5.1	Fit hardware (rollers) to door according to manufacturer's specifications.
	5.2	Fit door to cavity sliding door unit and adjust height of rollers to ensure leading door edge is plumb and closes neat against cavity sliding door stile.
	5.3	Make final adjustments to packing of cavity sliding door stile.
	5.4	Fit and fix door furniture and cavity door centring locators, according to manufacturer's 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 CPCCCA3010A Install and replace windows and doors.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCCCA3010 Install windows and doors

Performance Evidence

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

- installing in wall frames:
 - a standard window
 - a sliding cavity door unit and door
- constructing and fitting a standard external rebated door frame
- fitting and hanging one door, including door furniture, privacy set and door stops
- fitting and hanging a pair of doors.

Knowledge Evidence

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

- compliance requirements of the National Construction Code and Australian Standards, relevant to installing windows and doors, including *AS2688 Timber and composite doors* and *AS2047 Windows and external glazed doors in buildings*, and *Australian Window Association - An Industry Guide to the Correct Fixing of Windows and Doors*
- workplace quality policies and standards relevant to installing windows and doors
- safety requirements for installing windows and doors
- flashing requirements and installation techniques relevant to installing windows and doors
- plans, specifications and drawings for installing windows and doors
- types of tools and equipment required to install windows and doors, their characteristics, uses and limitations
- processes for setting out windows and doors
- processes for calculating material requirements for installing windows and doors
- materials relevant to installing windows and doors
- various types of doors:
 - flush panel, framed and panelled, and glazed
 - hinged door units including standard doors, sliding, flywire, combination window and door units, door sidelight units (glazed or unglazed) and internal doors
 - jambs, stiles and sills
 - flashing
- door furniture, including flush pulls, latches and deadlocks, push plates and closers, handles and locks
- window, door installation including flashing and fixing
- types of windows and doors, materials used and their characteristics and uses.

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.

Links

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