

Unit of Competency CPCCJN3005 Cut and install glass

Application

This unit of competency specifies the skills and knowledge required to manually cut glass in a straight line to form simple shapes and install glass in joinery structures, 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) for each part 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. Cut glass to a straight line.	<ul style="list-style-type: none">2.1 Select type, size and thickness of glass for application (thickness less than 6.38mm) and determine location from drawings, specifications and glazing schedule and in accordance with AS 1288 Glass in building - Selection and installation.2.2 Inspect openings to receive glass for obstructions and clearances.2.3 Select cutting process in accordance with AS 4667 Quality requirements for cut to size and processed glass, and cut glass to specification on a line using straight edge and scoring and breaking to run cut to tolerance of AS 4667.2.4 Cut glass sheets to the most economical layout, identifying cutting defects and taking corrective action in accordance with AS 4667.
3. Cut glass to simple shapes.	<ul style="list-style-type: none">3.1 Select type, size and thickness of glass for application and mark and prepare template to designed shape and requirements of AS 1288.3.2 Use template and marker to transfer outline onto glass.3.3 Cut glass to shape and size to specification and remove glass offcuts safely in accordance with AS 4667.3.4 Cut glass sheets to the most economical layout, identifying cutting defects and taking corrective action in accordance with AS 4667.
4. Install glass to	<ul style="list-style-type: none">4.1 Prepare frame for installation of glass.

joinery.	4.2	Confirm dimensions of frame are adequate for installation of glass.
	4.3	Install glass to frame.
	4.4	Clean glass surface and surrounding frame and remove waste material.
5. Clean up.	5.1	Clean up, meeting all legislative and workplace requirements for safety, waste disposal and materials handling, including handling glass.
	5.2	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 CPCCJN3005A Cut and install glass.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCCJN3005 Cut and install glass

Performance Evidence

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

- cutting glass for installation in a joinery structure, including cutting glass in a straight line to form a simple shape
- installing the cut glass in the joinery structure.

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 cutting and installing glass, including AS 4667 Quality requirements for cut to size and processed glass and AS 1288 Glass in buildings - Selection and installation
- workplace quality policies and standards for cutting and installing glass
- safety requirements for cutting and installing glass
- types and uses of tools and equipment for cutting and installing glass
- methods of securing and sealing glass in frames
- material handling processes for glass
- measuring and setting out processes for glass cutting
- types of glass and their characteristics.

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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