

Unit of Competency CPCCCA3022 Install curtain walling

Application

This unit of competency specifies the skills and knowledge required to fit and fix curtain walling facades to multi-storey structures to provide external cladding of structural steel or reinforced concrete, meeting all relevant requirements of the National Construction Code (NCC), Australian Standards, work health and safety (WHS), and Commonwealth and state or territory legislation.

The unit includes the installation of fabricated frameworks with metal cladding, fabricated framework with glass panels, precast concrete panels, and manufactured and natural stone products in or on the structure.

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. Prepare site for installation.	<ul style="list-style-type: none">2.1 Set out location of curtain wall installation connections.2.2 Clear area below construction face to allow operation of support plant and equipment and isolate with barricades to work health and safety (WHS) requirements.2.3 Inspect surface of structure to receive curtain walling for conformity and prepare to receive fixings.
3. Install panels or cladding.	<ul style="list-style-type: none">3.1 Check and install curtain wall fixing brackets to set out points.3.2 Place and fix curtain walling into correct position.3.3 Install curtain walling plumb and level, align and fix into position.3.4 Fit and secure junctions between placed sections of curtain walling to fixing specifications.

	3.5	Install curtain wall trims.
4. Seal curtain walling.	4.1	Clean surface areas in preparation for application of caulking sealants.
	4.2	Apply sealants to curtain walling and trims.
5. Clean up.	5.1	Clean up, meeting all legislative and workplace requirements for safety, waste disposal, materials handling and protection of the environment.
	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 CPCCCA3022A Install curtain walling.

Links

Companion Volume Implementation Guide:

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

Assessment Requirements for CPCCCA3022 Install curtain walling

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by installing a minimum of 20 square metres of curtain walling for a multi-storey project:

In doing this, the candidate must;

- prepare the external surface to receive fixings
- secure fixings ensuring conformity with allowable tolerances
- install and fix sections of curtain walling checking for line and plumb
- seal erected surfaces using specified products.

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 curtain walling
- workplace quality policies and standards for installing curtain walling
- safety requirements for installing curtain walling
- types of curtain walling materials, systems and techniques
- curtain wall fixing:
 - drilling holes
 - fixing brackets to steelwork
 - installing masonry anchors
 - trimming concrete surfaces for flatness
- contents of and terms and symbols used in plans, specifications and drawings for installing curtain walling
- procedures for safely using fall arrest systems and fall prevention methods
- processes for calculating material requirements for installing curtain walling
- purpose and safe use of swing scaffolding
- types and uses of tools and equipment used to install curtain walling.

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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