



Australian Government

Department of Education, Employment and Workplace Relations

CPC20811 Certificate II in Metal Roofing and Cladding

Release: 1

CPC20811 Certificate II in Metal Roofing and Cladding

Modification History

Not Applicable

Description

This qualification provides an occupational outcome in metal roofing and cladding. Occupational titles may include:

- Roofer.

The qualification has core and elective units of competency that include units common to other qualifications in the plumbing industry, as well as specialist metal roofing and cladding units of competency.

The plumbing industry strongly affirms that training and assessment leading to recognition of skills must be undertaken in a real or very closely simulated workplace environment and this qualification requires all units of competency to be delivered in this context.

Completion of the general induction training program specified by the National Code of Practice for Induction Training for Construction Work (ASCC 2007) is required before entering a construction work site. Achievement of unit CPCCOHS1001A covers this requirement.

Pathways Information

Not Applicable

Licensing/Regulatory Information

Not Applicable

Entry Requirements

Not Applicable

Employability Skills Summary

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

Employability skill	Industry/enterprise requirements for this qualification include:
Communication	<ul style="list-style-type: none">• Communicates with clients, colleagues and others using effective and appropriate communication techniques, including:<ul style="list-style-type: none">• Clear and direct communication• Active listening• Verbal and non-verbal language• Questioning to identify and confirm requirements• Language and concepts appropriate to cultural differences• Follows instructions from supervisor and other relevant persons• Understands, interprets and applies information as required from:<ul style="list-style-type: none">• Regulatory, legislative, licensing and organisational requirements• Environmental and OHS requirements, including material safety data sheets (MSDS)• Codes and standards• Plans, drawings and specifications• Schedules• Load tables• Designs• Safety signs and symbols• Organisational policies and procedures• Understands relevant definitions, terminology, symbols, abbreviations and language• Uses industry-accepted visual communications, including hand signals• Reports and records routine workplace and regulatory information• Applies measurements and calculations using appropriate equipment, formulas and records as required• Reports and records hazards and risks• Produce drawings and sketches•
Teamwork	<ul style="list-style-type: none">• Works as part of a team• Provides assistance and encouragement to other

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

- team members
- Initiates and encourages improvements in team performance
- Works with others to plan and sequence tasks
- Identifies and utilises the strengths of other team members
- Relates to people from diverse social, cultural and ethnic backgrounds and with varying physical and mental abilities
- Participates in workplace meetings
- Problem solving
 - Responds effectively to hazards, risks, emergencies and first aid situations
 - Examines tools and equipment prior to use for damage, missing components or other defects
 - Identifies typical faults and problems and takes remedial actions and/or reports to supervisor
 - Rectifies simple faults with tools and equipment
 - Rectifies incorrect roofing installations
 - Assesses roof work site safety
- Initiative and enterprise
 - Maximises use of resources by recycling, re-using or using appropriate disposal methods
 - Responds to change and workplace challenges
 - Designs and fabricates roof coverings
- Planning and organising
 - Prepares work area
 - Identifies and obtains necessary documentation
 - Collects, analyses and organises workplace information
 - Selects and uses appropriate materials, tools and equipment
 - Carries out site inspections
 - Determines material quantity requirements and conformity to requirements
 - Coordinates delivery of materials
 - Determines installation requirements
 - Fabricates, sets out, installs and tests as required metal roofing and cladding components and systems
 - Prioritises and sequences tasks
 - Applies time management skills to ensure work is completed to time requirements
- Self management
 - Recognises obligations and accepts responsibility for own work and safety
 - Recognises quality requirements and completes

EMPLOYABILITY SKILLS QUALIFICATION SUMMARY

	work to expected standard
	<ul style="list-style-type: none"> Identifies personal career development needs and sets own and team work goals Participates in workplace induction Cleans up work area, including tools and equipment Seeks support to improve work performance
Learning	<ul style="list-style-type: none"> Identifies own learning needs and seeks skill development as required Is open to learning new ideas and techniques Participates in workplace induction
Technology	<ul style="list-style-type: none"> Uses electricity and electrical equipment safely Uses and operates a range of tools and equipment correctly and safely Properly starts up, operates and shuts down equipment Identifies technological trends that may affect the plumbing and services sector Carries out pre- and post-operational checks on tools and equipment Performs tool and equipment maintenance as required

Packaging Rules

Packaging rules

To achieve this qualification, the candidate must demonstrate competency in:

- 24 units of competency:
- 15 core units
- 9 elective units.

The elective units are to be chosen as follows:

- up to 9 units from general elective units
- up to 4 units from Certificate II qualifications in CPC08 or another current Training Package or state accredited course, provided the integrity of the AQF alignment is ensured, and that they contribute to a valid, industry-supported vocational outcome.

Core units

CPCCCM2010A	Work safely at heights
CPCCCM3001B	Operate elevated work platforms

CPCPCM2002A	Carry out interactive workplace communication
CPCPCM2004A	Read plans and calculate plumbing quantities
CPCPCM2011A	Apply first aid in the workplace
CPCPCM2021A	Work effectively in the plumbing and services sector
CPCPCM2023A	Carry out OHS requirements
CPCPCM2025A	Handle and store plumbing materials
CPCPCM2026A	Use plumbing hand and power tools
CPCPCM2027A	Carry out levelling
CPCPCM2028A	Cut and join sheet metal
CPCPCM2030A	Mark out materials
CPCPCM2035A	Work safely on roofs
CPCPCM3011A	Flash penetrations through roofs and walls
CPCPRF2012A	Select and install roof sheeting and wall cladding
Elective units	
CPCCCM2008A	Erect and dismantle restricted height scaffolding
CPCCPB3015A	Install acoustic and thermal environmental protection systems
CPC CST2005A	Carry out load slinging of off-site materials
CPCPCM2033A	Weld using arc welding equipment
CPCPCM2019A	Cut using oxy-LPG-acetylene equipment
CPCPCM2022A	Weld using oxy-acetylene equipment
CPCPCM3012A	Weld plastic pipe using fusion method
CPCPDR2011A	Locate and clear blockages
CPCPRF2013A	Collect and store roof water
CPCPRF2014A	Fabricate roof coverings for curved structures
CPCPRF3011A	Receive roofing materials

CPCPRF3012A	Fabricate and install roof drainage components
CPCPRF3013A	Fabricate and install external flashings
CPCPRF3014A	Install roof components
CPCPRF3015A	Install roof coverings to curved roof structures
CPCPRF3016A	Install composite roof systems
CPPFES2006A	Prepare for installation and servicing operations
MEM05050B	Perform routine gas metal arc welding
MEM05049B	Perform routine gas tungsten arc welding