



Australian Government

CPC20812 Certificate II in Metal Roofing and Cladding

Release 2

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Modification History

Release 2 This version first released with CPC08 Construction, Plumbing and Services Training Package Release 9.5.

Inclusion of prerequisite unit CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry in the elective units.

Release 1 Revised qualification deemed not equivalent to CPC20811. A number of core and elective units replaced with updated versions. Change to core units - native CPC08 first aid unit (CPCPCM2011A) replaced with imported HLT07 unit (HLTFA211A)

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 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 <ul style="list-style-type: none"> • Produce drawings and sketches
Teamwork	<ul style="list-style-type: none"> • Works as part of a team • Provides assistance and encouragement to other team members • Initiates and encourages improvements in team performance • Works with others to plan and sequence tasks

Employability skill	Industry/enterprise requirements for this qualification include:
	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • Recognises obligations and accepts responsibility for own work and safety • Recognises quality requirements and completes work to expected standard

Employability skill	Industry/enterprise requirements for this qualification include:
	<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

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.

Some units in this qualification may have prerequisite requirements, which must be met when packaging the qualification. Users are referred to the list of CPC08 units with prerequisite unit requirements available in this Training Package for this purpose.

Core units

CPCCCM2010B	Work safely at heights
CPCCCM3001C	Operate elevated work platforms
CPCPCM2039A	Carry out interactive workplace communication
CPCPCM2040A	Read plans and calculate plumbing quantities
CPCPCM2041A	Work effectively in the plumbing and services sector
CPCPCM2043A	Carry out WHS requirements
CPCPCM2045A	Handle and store plumbing materials
CPCPCM2046A	Use plumbing hand and power tools
CPCPCM2047A	Carry out levelling
CPCPCM2048A	Cut and join sheet metal
CPCPCM2050A	Mark out materials
CPCPCM2055A	Work safely on roofs
CPCPRF2022A	Select and install roof sheeting and wall cladding
CPCPCM3021A	Flash penetrations through roofs and walls
HLTFA211A	Provide basic emergency life support

Elective units

CPCCCM2008B	Erect and dismantle restricted height scaffolding
CPCCPB3015A	Install acoustic and thermal environmental protection systems
CPCST2005A	Carry out load slinging of off-site materials
CPCPCM2049A	Cut using oxy-LPG-acetylene equipment

CPCPCM2052A	Weld using oxy-acetylene equipment
CPCPCM2053A	Weld using manual metal arc welding equipment
CPCPCM3022A	Weld polyethylene and polypropylene pipes using fusion method
CPCCWHS2001	Apply WHS requirements, policies and procedures in the construction industry
CPCPDR2021A	Locate and clear blockages
CPCPRF2023A	Collect and store roof water
CPCPRF2024A	Fabricate roof coverings for curved structures
CPCPRF3021A	Receive roofing materials
CPCPRF3022A	Fabricate and install roof drainage components
CPCPRF3023A	Fabricate and install external flashings
CPCPRF3024A	Install roof components
CPCPRF3025A	Install roof coverings to curved roof structures
CPCPRF3026A	Install composite roof systems
CPPFES2006A	Prepare for installation and servicing operations
MEM05049B	Perform routine gas tungsten arc welding
MEM05050B	Perform routine gas metal arc welding

Custom Content Section

Not applicable.