



Australian Government

CPCCWF3006 Install mosaic tiling

Release: 3

CPCCWF3006 Install mosaic tiling

Modification History

- Release 3 Updated reference to general construction induction training program.
- Release 2 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Correction to Elements and Performance Criteria 1 through 3.
- Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
Supersedes and equivalent to CPCCWF3006A Carry out mosaic tiling. Change to title. Updated to meet the Standards for Training Packages 2012.

Application

This unit of competency specifies the skills and knowledge required to install mosaic tiles to wall and floors.

It includes the cutting and laying out of a pattern or template and the application of the tiles to the required area.

A person working at this level would be expected to take responsibility for organising and completing tasks assigned to them without close supervision.

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 *CPCWHS1001 Prepare to work safely in the construction industry* meets this requirement.

Licensing, legislative or certification requirements apply to this unit in some states and territories and users are advised to check with the relevant regulatory authority.

Pre-requisite Unit

CPCCWHS2001 Apply WHS requirements, policies and procedures in the construction industry.

Unit Sector

Wall and floor tiling

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe what needs to be done to demonstrate achievement of the element.

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| 1 Plan and prepare to install mosaic tiling. | 1.1 Read and interpret task work instructions and plan sequence of work. |
| | 1.2 Select and use personal protective equipment (PPE) as required for each stage of the task. |
| | 1.3 Plan all work to comply with laws and regulations, Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications, workplace requirements, drawings and specifications. |
| | 1.4 Inspect work site, assess hazards and apply risk controls, including required signage and barricades. |
| | 1.5 Select tools and equipment, check for serviceability and report any faults. |
| | 1.6 Select materials required for task, calculate quantities, handle safely and prepare and position ready for use. |
| 2 Prepare materials. | 2.1 Prepare work area for mosaic tiling. |
| | 2.2 Check mosaic tiles conform to the task size, pattern, colour and characteristics. |
| | 2.3 Set out mosaic work to be symmetrical, balanced and to produce minimal waste. |
| 3 Prepare substrate. | 3.1 Prepare substrate surfaces. |
| | 3.2 Clean surface free of loose material and contaminants ready for tile installation. |
| 4 Install mosaic tiles to flat surfaces. | 4.1 Mark prepared mosaic tiles. |
| | 4.2 Select adhesive to ensure light-coloured tiles are not darkened and mix according to usage and climatic conditions. |

- 4.3 Apply adhesive to substrate and install mosaic tiles maintaining alignment to the set-out lines and face surface of the tiles.
 - 4.4 Position mosaic tiles prior to final set and adjust to ensure joints are consistent.
 - 4.5 Finish surface flat with tile face flush.
- 5 Grout tiles.
 - 5.1 Clean and prepare joints to receive grout.
 - 5.2 Mix and apply grout.
 - 5.3 Clean and polish tiles.
 - 5.4 Protect tiles from damage during remaining construction.
- 6 Clean up.
 - 6.1 Clear work area and dispose of, reuse or recycle materials.
 - 6.2 Clean, check, maintain and store plant, tools and equipment in accordance with manufacturers' recommendations.

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and equivalent to CPCCWF3006A Carry out mosaic tiling.

Links

Companion volumes to this training package are available at the VETNet website - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad>

Assessment Requirements for CPCCWF3006 Install mosaic tiling

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Performance Evidence

To demonstrate competency, a candidate must satisfy all of the elements, performance criteria and foundation skills of this unit by preparing and installing mosaic tiles to a minimum:

- of two square metres of wall, including a niche
- of two lineal metres of hob and return
- of one square metre of shower floor with fall, including a drain.

All work must be performed to the standard required in the workplace and must comply with Commonwealth and state/territory laws and regulations, Australian Standards, work health and safety (WHS) and environmental requirements, manufacturers' specifications and workplace requirements.

Knowledge Evidence

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

- compliance requirements of Australian Standards for mosaic tiling
- workplace quality policies and standards for mosaic tiling
- safety requirements for mosaic tiling, including:
 - job safety analyses and/or safe work method statements in accordance with Safe Work Australia *Code of Practice for Construction Work* or state and/or territory equivalent
 - personal protective equipment (PPE)
- environmental requirements for mosaic tiling
- types and uses of materials storage and environmentally friendly waste management for mosaic tiling
- characteristics, preparation requirements, limitations and compatibility of mosaic tiling substrates and materials:

- mosaic tiles:
 - ceramic
 - stone
 - glass
 - metal
- adhesives
- grouting materials
- tile trim (external and internal corners)
- types of substrates
- mosaic tiling methods and set out procedures
- types and uses of plans, drawings and specifications for mosaic tiling
- types and uses of mosaic tiling tools and equipment
- processes for the calculation of material requirements for mosaic tiling
- tiling material qualities, characteristics, preparation requirements, techniques, applications and limitations:
 - adhesive types and classifications
 - grout types, including epoxy grout.

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, materials, activities, responsibilities, procedures, safety requirements and environmental considerations.

Links

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