



Australian Government

CPCCFWF3007 Tile curved surfaces

Release: 2

CPCCWF3007 Tile curved surfaces

Modification History

Release 2 Updated reference to general construction induction training program.

Release 1 This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.

Supersedes and equivalent to CPCCWF3007A Tile curved surfaces. Updated to meet the Standards for Training Packages 2012.

Application

It includes the preparation for and tiling of columns and arches.

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 tile curved surfaces. | 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 task stage. |

- 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 and tile circular columns.
 - 2.1 Calculate and establish extent of curve.
 - 2.2 Use levelling equipment for intermediate marking to level line set out around the surface.
 - 2.3 Make template/s to form an accurate curve line for tiled surface.
 - 2.4 Calculate a balanced design and cut tiles to size.
 - 2.5 Prepare substrate and compatible adhesive.
 - 2.6 Install tiles to level set out, template curve and specifications.
 - 2.7 Minimise voids in adhesive tile beds.
- 3 Prepare and tile arches.
 - 3.1 Calculate and establish extent of arch and size of voussoirs at the intrados and the extrados.
 - 3.2 Use levelling equipment and calculate springing line.
 - 3.3 Cut tiles to size using template/s.
 - 3.4 Prepare substrate and compatible adhesive.
 - 3.5 Install voussoirs and returns to set-out.
 - 3.6 Minimise voids in adhesive tile beds.

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| 4 Grout tiles. | 4.1 Clean and prepare joints to receive grout. |
| | 4.2 Mix and apply grout. |
| | 4.3 Clean and polish tiles. |
| | 4.4 Protect tiles from damage during remaining construction. |
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| 5 Clean up. | 5.1 Clear work area and dispose of, reuse or recycle materials. |
| | 5.2 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 CPCCWF3007A Tile curved surfaces.

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 CPCCWF3007 Tile curved surfaces

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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 tiling:

- the surface of a circular column that is at minimum 360 millimetres in diameter and one metre high
- an archway with minimum dimensions:
 - span one metre
 - rise 200 millimetres
 - 100 millimetre returns.

All work must be performed to the standard required in the workplace and 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 installing wall tiles
- workplace quality policies and standards for tiling
- safety requirements for installing wall tiles to curved surfaces, 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 installing tiles
- placement and design of movement joints when installing wall tiles to curved surfaces
- types and uses of materials storage and environmentally friendly waste management
- types and uses of plans, drawings and specifications for installing tiles to curved surfaces
- types and uses of tools and equipment for installing tiles to curved surfaces

- processes for the calculation of material requirements for installing tiles to curved surfaces
- techniques in installing tiles to curved surfaces:
 - preparation of structures and substrates
- types of substrates
- cutting and installing of types of tiles in common use on curved surfaces
- tiling material qualities, characteristics, preparation requirements, techniques, applications and limitations
- processes for the calculation of material requirements for tiling curved surfaces
- 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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