



Australian Government

Assessment Requirements for CPCPRF3027 Select and install a heritage roof system

Release: 2

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Modification History

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| Release 2 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.1.
Typographical error corrected in Element 1.1. |
| Release 1 | This version first released with CPC Construction, Plumbing and Services Training Package Release 5.0.
New unit. |

Performance Evidence

To demonstrate competency, a candidate must meet the performance criteria of this unit by:

- installing either copper, lead or galvanised roof cladding to a roof structure not less than 2 metres wide and 1.5 metres long:
 - installing onto appropriate substrate or hardwood timber battens to suit heritage roofing support methods
 - installing a flat or pitched roof system using an approved fixing and sealing method as per heritage requirements
 - selecting and installing 4 short sheet lengths applying laying pattern and end-lap protection
- fabricating and installing the following flashings not less than 600 mm long:
 - one hip or ridge intersection flashing using bossed lead
 - a galvanised steel intersection valley with a soldered saddle
 - a chimney flashing, including soaker tray, back gutter, and hanging and stepped flashing using either lead, zinc or galvanised steel
 - a rolled barge gable intersection with conical end capping
- fabricating and installing at least 600 mm length of galvanised OR lead box gutter including soldered stop ends, round spout, overflow and an external OR internal 45 OR 300 degree angle
- fabricating and installing a round galvanised downpipe offset with soldered joints
- fabricating and installing a bossed OR welded lead collar flashing to suit a 50 mm round penetration
- fabricating and installing a rainwater head from one of the following:
 - zinc, copper or galvanised steel and soldered
 - manufactured in lead, and welded
 - manufactured galvanised

- copper finial.

Knowledge Evidence

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

- plans and specifications
- current standards and codes for roof sheeting and insulation:
 - HB39 *Installation code for metal roof and wall cladding*
 - National Construction Code (NCC)
- receiving roofing materials
- materials and details required to replace heritage roof systems
- heritage cladding profiles, coatings and material-grade roof components:
 - batten types to match existing including Oregon and hardwood
 - lead or galvanised flashing into brickwork or chimneys
 - heritage fixings, fasteners and seals
 - heritage sealing methods
 - vents, finials and decorative features
 - hand bossing
 - lead welding
 - compatibility of materials weathering
 - ventilation
- how to access relevant information, including codes and standards to select and install a heritage roof system
- tools, materials and equipment used to select and install a heritage roof system
- work health and safety (WHS) requirements for installing and maintaining a heritage roof system.

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

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>