



Australian Government

Assessment Requirements for MSMPMC319 Finish casting operation

Release: 1

Assessment Requirements for MSMPMC319 Finish casting operation

Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552057 Finish casting operation

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- finished casting operations for at least 1 product, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - types of reinforcement and fittings
 - placement and securing of reinforcement and fittings
 - amount and distribution of concrete in mould
 - applied finishing and veneering techniques, including at least 1 of the following:
 - screeding
 - floating
 - helicopter floating
 - brushing
 - recognising possible causes of the following routine problems:
 - variations in materials
 - wrong materials
 - mould anomalies
 - process errors.
 -

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- topping up and finishing process
- common veneering techniques, including:
 - screeding
 - floating
 - helicopter floating
 - brushing
- principles of concrete mixing
- hazards from pre-stressed reinforcement
- role of reinforcement, types of reinforcement and significance of concrete cover

- the potential effects of variations in raw materials and equipment operation and processes in relation to quality of product
- routine problems and factors which may affect product quality or production output, their probable causes and relevant corrective actions
- finishing hazards and:
 - their possible causes
 - potential consequences
 - risk control procedures.
-

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - reinforcement, fittings, accessories and moulds
 - finishing or veneering tools and materials
 - specifications, procedures and job sheets
- modelling of industry operating conditions, including:
 - routine and non-routine problems.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume Implementation Guides are available at VETNet -
<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>