



Australian Government

Assessment Requirements for MSMPMC315 Cast moulded concrete products

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552052 Cast moulded concrete products

Performance Evidence

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

- cast moulded concrete products on at least 1 occasion, including:
 - selecting and preparing moulds, accessories, equipment and materials
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - mould condition
 - amount and grade of concrete
 - consistency of mix
 - placement of reinforcing and accessories
 - placement and stressing of strands
 - compaction and vibration
 - recognising possible causes of the following routine problems:
 - raw material and mix variations
 - mould anomalies
 - casting and operating conditions
 - process errors
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- common types of moulds and their application
- causes and impact of mould wear
- problems resulting from mould leakage
- importance of vibration on compaction
- 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

- hazards from pre-stressed reinforcement
- casting hazards and:
 - their possible causes
 - potential consequences
 - risk control procedures.
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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:
 - casting equipment and ancillary equipment
 - materials to be cast
 - 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>