



Australian Government

Assessment Requirements for MSMPMC305 Heat accelerate the curing of precast concrete

Release: 1

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Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552007 Heat accelerate the curing of precast concrete.

Performance Evidence

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

- set up, configured and operated the steam curing equipment on at least 1 occasion, including:
 - recognising possible causes of the following routine problems:
 - steam pressure differentials
 - time cycle irregularities
 - raw material variations
 - mechanical abnormalities
 - electrical and instrument reading failure.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- principles of heat curing process
- equipment and ancillary equipment, including:
 - functions, limitations
 - start-up, operation and shutdown procedures
 - relevant personal protective equipment (PPE)
 - the potential effects of equipment operation in relation to quality of product and output
- composition and nature of finished product
- the potential effects of variations in raw materials in relation to quality of product and output
- routine problems and factors which may affect product quality or production output, their probable causes and relevant corrective actions,
- sequence of isolation procedures and related hazards
- signals and alarms
- enterprise production schedules
- work health and safety (WHS) requirements relevant to work outcome
- heat curing 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:
 - heat curing equipment and ancillary equipment
 - raw 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>