



Australian Government

MSMPMC309 Finish products after firing

Release: 1

MSMPMC309 Finish products after firing

Modification History

Release 1. New unit. Supersedes and is equivalent to PMC552023 Finish products after firing.

Application

This unit describes the skills and knowledge required to finish clay and ceramic products after firing to prepare them for further processing or packaging. It applies to both large production and smaller craft contexts.

This unit applies to operators who are required to take responsibility for own outputs and follow established procedures to inspect, finish and repair products to meet specifications. Operators are also required to work autonomously and apply their own judgement to interpret information; monitor processes; identify and address routine and non-routine problems and control hazards.

This unit does not apply to forming, firing or packaging of products.

This unit applies to an individual working alone or as part of a team or group and in liaison with other shift team members, team leader and supervisor.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Operations

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Inspect and sort products	1.1 Grade products to ensure enterprise standards are met 1.2 Mark items with code to indicate grade and/or batch
2. Finish and assemble products	2.1 Apply finishing techniques to produce a properly finished product 2.2 Assemble products to specifications

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Rectify routine problems	3.1 Identify and rectify faults and equipment failure 3.2 Maintain records and log books of equipment operations 3.3 Identify non-routine problems and report to designated person
4. Rectify routine problems	4.1 Identify and rectify contamination, faults and equipment failure 4.2 Maintain records and log books of equipment operations 4.3 Identify non-routine problems and report to designated person
5. Control hazards	5.1 Identify finishing hazards 5.2 Assess the risks arising from those hazards 5.3 Implement measures to control those risks

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

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Links

Companion Volume Implementation Guides are available at VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=d1287d36-dff4-4e9f-ad2c-9d6270054027>

Assessment Requirements for MSMPMC309 Finish products after firing

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Performance Evidence

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

- inspected, graded, coded, finished and repaired at least 1 batch of products, including:
 - monitoring the following key variables to ensure product integrity and conformance to specification:
 - colour
 - shape
 - assembly
 - structural appearance
 - surface finish
 - recognising possible causes of the following routine problems:
 - raw material variations
 - equipment malfunctions
 - forming abnormalities
 - firing abnormalities
 - finishing abnormalities.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- common manufacturing blemishes
- purpose of and steps used in common finishing techniques, including:
 - foot polishing
 - hand assembly
 - pin grinding
 - tile splitting
- common finishing equipment, including:
 - functions
 - principles of operation
 - the potential effects of equipment operation in relation to quality of product and output

- 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
- finishing 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:
 - finishing equipment and ancillary equipment
 - products to be finished
 - 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.

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