



Australian Government

MEM19015 Perform jewellery enamelling

Release: 1

MEM19015 Perform jewellery enamelling

Modification History

Release 1. Supersedes and is equivalent to MEM19015B Perform jewellery enamelling

Application

This unit of competency defines the skills and knowledge required to perform enamelling techniques applied to precious metals and some base metals using torch and kiln methods.

This unit does not apply to complex three-dimensional forms and plique-à-jour techniques.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Band: A

Unit Weight: 4

Pre-requisite Unit

MEM11011	Undertake manual handling
MEM13003	Work safely with industrial chemicals and materials
MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information
MEM18001	Use hand tools

Competency Field

Jewellery and horological

Elements and Performance Criteria

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|---|---|-----|--|
| | | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs |
| | | 1.4 | Identify job requirements from specifications, drawings, job sheets or work instructions |
| 2 | Prepare items and materials for enamelling | 2.1 | Assess item materials and construction for enamelling suitability |
| | | 2.2 | Select appropriate enamelling technique and materials for the required outcome |
| | | 2.3 | Prepare enamels for enamelling operation |
| | | 2.4 | Prepare metal surfaces for enamelling |
| | | 2.5 | Carry out additional processing of item prior to enamelling |
| 3 | Enamel jewellery items | 3.1 | Set up equipment and items for firing |
| | | 3.2 | Enamel items to specification and complete firing process |
| 4 | Finish and inspect work | 4.1 | Apply final finishes |
| | | 4.2 | Check product for compliance to specifications |
| | | 4.3 | Identify and rectify faults |
| | | 4.4 | Record relevant job information |

Foundation Skills

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

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

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Enamelling techniques include one (1) or more of the following:

- torch firing
- kiln firing
- dusting
- cloisonné
- basse-taille
- champlevé

Items include one (1) or more of the following:

- rings
- brooches
- earrings
- pendants
- other small-scale objects

Additional processing includes one (1) or more of the following:

- stamping
- engraving
- saw piercing
- chasing
- oxidising
- roller pressing

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM19015B Perform jewellery enamelling

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>