



**Australian Government**

# **MEM26019 Finish a composite product**

**Release: 1**

# MEM26019 Finish a composite product

## Modification History

Release 1. Supersedes and is equivalent to MEM26019A Finish a composite product

## Application

This unit of competency defines the skills and knowledge required to select and use appropriate mechanical finishing and repair techniques for a composite product.

Where gel coating is required unit MEM26001 Lay up composites using open moulding techniques, MEM26002 Lay up composites using vacuum closed moulding techniques and MEM26003 Lay up composites using pressure closed moulding techniques should also be selected as appropriate.

Where the selection and use of hand tools is required unit MEM18001 Use hand tools should also be selected.

Where the selection and use of power tools is required unit MEM18002 Use power tools/hand held operations should also be selected.

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

**Band: A**

**Unit Weight: 4**

## Pre-requisite Unit

MEM13015	Work safely and effectively in manufacturing and engineering
MEM16006	Organise and communicate information

## Competency Field

Composites

## Elements and Performance Criteria

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

1	<b>Determine product</b>	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS)

Elements describe the essential outcomes.

**requirements**

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

requirements at all times

- |     |  |  |
|-----|--|--|
| 1.3 | 1.3  | Select and use appropriate personal protective equipment (PPE) in accordance with SOPs   |
| 1.4 | 1.4  | Determine finishing requirements, including machining, polishing, buffing, blasting, etching and making holes from specifications, drawings, job sheets or work instructions |
| 2   | <b>Select most appropriate finishing for job</b> |  |
| 2.1 | 2.1  | Compare required finish with results of different finishing methods  |
| 2.2 | 2.2  | Select most appropriate finishing method   |
| 2.3 | 2.3  | Conduct tests where appropriate, and review finishing method, as required  |
| 3   | <b>Finish product</b>                            |  |
| 3.1 | 3.1  | Identify and control hazards   |
| 3.2 | 3.2  | Prepare finishing equipment, tools and materials, as required  |
| 3.3 | 3.3  | Finish product using selected process and minimise waste   |
| 3.4 | 3.4  | Review finished product compared to requirements   |
| 3.5 | 3.5  | Identify areas for improvement including damage to laminate from finishing process and take appropriate actions  |
| 3.6 | 3.6  | Complete any required documentation/reporting according to SOPs  |

## 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.

**Repairs are performed on one (1) or more of the following**

- gel coats
- moulding imperfections
- moulds
- detailing

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

- trimming
- forming holes (drilling, hole saw or other penetration) using hand, power or machine tools
- using jigs and fixtures
- removing burrs

## Unit Mapping Information

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## Links

Companion Volume implementation guides are found in VETNet - <https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=b7050d37-5fd0-4740-8f7d-3b7a49c10bb2>