



Australian Government

MEM25004 Fair and shape surfaces

Release: 1

MEM25004 Fair and shape surfaces

Modification History

Release 1. Supersedes and is equivalent to MEM25004B Fair and shape surfaces

Application

This unit of competency defines the skills and knowledge required to fill, sand, fair and grind to achieve uniform or correct contours and surfaces on marine vessels and other transport vehicles.

Where slipping is required, or when working on a slipped craft unit MEM25014 Perform marine slipping operations should also be selected.

Where relevant units related to specific applications and materials are required appropriate units should also be selected.

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

Band: A

Unit Weight: 2

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
MEM18002	Use power tools/hand held operations

Competency Field

Marine craft construction

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 | <ul style="list-style-type: none">1.1 Follow standard operating procedures (SOPs)1.2 Comply with work health and safety (WHS) requirements at all times1.3 Use appropriate personal protective equipment (PPE) in accordance with SOPs1.4 Identify job requirements from specifications, job sheets or work instructions and determine sequence of operations |
| 2 Prepare for filling/sanding/grinding operations | <ul style="list-style-type: none">2.1 Set up safety equipment in accordance with procedures2.2 Select appropriate fillers and abrasive materials and prepare to suit job requirements and required surface finish2.3 Select appropriate equipment and accessories and set up ready for operation |
| 3 Perform filling, sanding, fairing and grinding operations | <ul style="list-style-type: none">3.1 Carry out work to specified finishes using appropriate tools and techniques3.2 Use power tools to optimise equipment and material use3.3 Check surfaces to ensure compliance to specifications3.4 Make adjustments and corrections as required |

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.

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

- electric or pneumatic disc
- orbital and belt sanders
- ‘torture-boards’
- straight and angle grinders
- die grinders can be used for certain applications but should not be used as the sole tool for assessment purposes

Unit Mapping Information

Release 1. Supersedes and is equivalent to MEM25004B Fair and shape surfaces

Links

Companion Volume implementation guides are found in VETNet -

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