



Australian Government

MSFFP2003 Prepare surfaces

Release: 1

MSFFP2003 Prepare surfaces

Modification History

Release 1. New unit

Application

This unit specifies the competency required to prepare a range of surfaces for the application of surface coatings.

It is designed for use in a pre-employment skills introduction program and is suitable for use in institutional-based vocational programs. Skills development will take place under direct supervision.

This unit is not to be used in a traineeship or apprenticeship training program or associated qualifications. It is only to be used in pre-employment programs and carries no credit towards apprenticeship/trade and other qualification types in manufacturing and furnishings.

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

Pre-requisite Unit

Nil

Competency Field

Unit Sector

Furniture Making Pathways

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	Identify job requirements from specifications, drawings, designs, project sheets or work instructions
		1.2	Identify the workplace, health and safety (WHS) practices and procedures to be used
		1.3	Locate, read and interpret the appropriate material safety data sheets (MSDS)

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| 2 | Plan and prepare for work | 2.1 | Identify the characteristics of the surface and the required surface coating materials |
| | | 2.2 | Identify procedures for surface preparation according to the surface and surface coating materials being used |
| | | 2.3 | Identify and set up tools, equipment and related controls, including safety guards, in accordance with work instructions |
| | | 2.4 | Identify and exclude sources of contamination in the work area |
| 3 | Prepare surfaces | 3.1 | Comply with work health and safety (WHS) requirements at all times |
| | | 3.2 | Use appropriate personal protective equipment (PPE) in accordance with procedures |
| | | 3.3 | Prepare surfaces using appropriate materials in accordance with specifications and work instructions |
| | | 3.4 | Rectify all surface preparation faults as required |
| | | 3.5 | Label and store prepared product ready for the next process |
| 4 | Check work area and maintain equipment | 4.1 | Clean equipment and inspect for serviceable condition and store and report faulty and/or defective equipment in accordance with procedures |
| | | 4.2 | Store or dispose of materials according to procedures |
| | | 4.3 | Clean and maintain work area |

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.

PPE includes one (1) or more of the following:

- safety glasses
- face and head protection
- protective footwear
- protective clothing
- respiratory protection
- ear protection
- gloves

Surfaces include three (3) or more of the following:

- hardwood timber
- softwood timber
- medium density fibre board (MDF)
- veneered board
- metal
- composites

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

- measuring tapes
- hammer
- nail punch
- liquid containers
- brushes
- scrapers
- file
- scourers
- abrasive papers
- sanding blocks
- steam iron
- power sanders/vacuum dust extraction system
- clamps

Unit Mapping Information

New unit

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFFP2003 Prepare surfaces

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include:

- following work instructions, procedures and safe work practices
- identifying and interpreting project sheets, specifications, drawings and other relevant information in preparing surfaces
- applying safe handling requirements for equipment, products and materials, including the use of PPE
- identifying and selecting materials to be used in the work process
- using mathematical ideas and techniques to complete measurements, including calculating area and estimating material requirements
- using tools and equipment in a safe and effective manner
- preparing surfaces to include three (3) or more of the following:
 - solid hardwood
 - solid softwood
 - veneered board
 - MDF
 - metal
 - composites
- inspecting finished surfaces against quality requirements
- minimising wastage of resources, including materials, time and money
- communicating and working effectively and safely with others.

Knowledge Evidence

Evidence required to demonstrate the required knowledge for this unit must be relevant to and satisfy the requirements of the elements and performance criteria and include knowledge of:

- safe work practices and procedures and use of PPE
- types, properties and characteristics of coatings
- surface preparation materials and techniques
- capabilities, limitations and safety requirements of tools and equipment
- hazardous substances, materials and precautions to be observed in preparing surfaces, including the review of the MSDS for each material to be used
- sequences in relation to the application and removal of surface coatings

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment as set by the VET regulator
 - have vocational competency in preparing surfaces at least to the level being assessed with relevant industry knowledge and experience
- Assessment must occur in a sufficiently rigorous simulated environment that reflects realistic workplace situations.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required to undertake this unit.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.

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