



Australian Government

MSFFP2004 Apply domestic surface coatings

Release: 1

MSFFP2004 Apply domestic surface coatings

Modification History

Release 1. New unit

Application

This unit specifies the competency required to apply domestic surface coatings by hand using a range of application methods.

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	Calculate the quantities required to complete the job to the furniture industry specifications

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| 2 | Plan and prepare for work | 2.1 | Determine the appropriate work practices from procedures and material safety data sheets (MSDS) information |
| | | 2.2 | Identify the characteristics of the surface and the required surface finish from specifications or work instructions |
| | | 2.3 | Select the appropriate application methods according to the project sheets or work instruction requirements |
| | | 2.4 | Identify and check tools, equipment and accessories for the required surface coating task for safe and effective operation |
| 3 | Prepare for application of surface coatings | 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 | Check surfaces for contamination and correct preparation in accordance with specifications and work instructions |
| | | 3.4 | Prepare surfaces using appropriate materials in accordance with specifications and work instructions, if required |
| | | 3.5 | Identify and repair products with surface or other faults as required |
| | | 3.6 | Make trial applications of surface coatings to check equipment operation, materials consistency and specified surface finish |
| | | 3.7 | Identify faults and rectify according to procedures |
| 4 | Apply surface coatings | 4.1 | Apply coatings according to project sheets, material manufacturer specifications and work instructions |
| | | 4.2 | Inspect finished products to meet specifications |
| | | 4.3 | Refinish products that do not meet specifications |

5	Check work area and maintain equipment	5.1	Clean equipment and inspect for serviceable condition and store and report faulty and/or defective equipment in accordance with procedures
		5.2	Store or dispose of materials according to procedures
		5.3	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

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

- enamel
- acrylic
- lacquers (water borne/solvent based)
- polish
- oils
- waxes

Application methods include one (1) or more of the following:

- brush
- swooge
- spray can
- roller

Surfaces include two (2) or more of the following:

- domestic spray equipment
- solid hardwood timber
- solid softwood timber
- manufactured board
- melamine
- metal
- composite

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

- sanders
- pneumatic or low-voltage electric buff
- rubber
- sanding block
- tack cloth
- brushes
- rollers
- cotton cloth
- swooges

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

- water
- detergent
- methylated spirits
- turpentine
- thinners
- abrasive papers
- cotton rags
- steel wool
- paint stripper/gel

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 MSFFP2004 Apply domestic surface coatings

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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 applying domestic surface coatings
- applying safe handling requirements for equipment, products and materials, including the use of PPE
- identifying and selecting application methods to be used to applying coatings
- 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 for and applying three (3) different types of coating to the following surfaces:
 - solid timber softwood and hardwood
 - engineered board
- inspecting finished coatings 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
- identification of application techniques
- MSDS information for type of coatings selected
- characteristics of coatings, waxes and oils in terms of toxicity, reactivity, flammability and required viscosity
- capabilities, limitations and safety requirements of tools and equipment
- methods to prevent contamination of surfaces during and after finishing
- sequences in relation to the application of finishing material.

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 applying domestic surface coatings 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, including relevant procedures, product and manufacturing specifications.
- 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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