



Australian Government

MSFFP2005 Join furnishing materials

Release: 1

MSFFP2005 Join furnishing materials

Modification History

Release 1. New unit

Application

This unit covers the competency required to join furnishing materials using a variety of joining techniques.

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, including process, materials, finish and quantity, from specifications, drawings, designs, project sheets or work instructions
		1.2	Identify the workplace, health and safety (WHS) practices and procedures to be used

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| 2 | Plan and prepare for work | 2.1 | Develop a work plan to logically sequence each stage |
| | | 2.2 | Determine the procedures for checking quality at each stage of the process |
| | | 2.3 | Select a suitable work area for the task |
| | | 2.4 | Identify and check tools and equipment for the application for safe and effective operation |
| | | | |
| 3 | Lay out and prepare materials | 3.1 | Select and check materials for defects following work instructions |
| | | 3.2 | Select and prepare suitable joining processes and methods |
| | | 3.3 | Prepare and lay out materials for joining |
| | | | |
| 4 | Join materials | 4.1 | Comply with work, health and safety (WHS) requirements at all times |
| | | 4.2 | Use appropriate personal protective equipment (PPE) in accordance with procedures |
| | | 4.3 | Measure, mark and cut to size materials in accordance with requirements |
| | | 4.4 | Apply adhesives according to work procedures and/or manufacturer instructions |
| | | 4.5 | Join materials and complete final trim and finishing to specifications |
| | | 4.6 | Check work against quality requirements |
| | | | |
| 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

Joining methods include two (2) or more of the following:

- butt
- dowel
- biscuit joint
- domino
- matched joint
- rebate joint

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

- docking saw
- rip saw
- sanders
- vertical and horizontal drills
- biscuit machine
- domino machine

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

- measuring tapes and rulers
- hammers
- mallets
- squares
- bevels
- chisels
- planes

- hand saws
- power drills
- biscuit machine
- domino machine
- dowel jigs
- clamps and cramps
- abrasives
- cleaning materials

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

- timber softwoods and hardwoods
- composites
- plastic
- adhesives

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 MSFFP2005 Join furnishing materials

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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 joining furnishing materials
- applying safe handling requirements for equipment, products and materials, including the use of PPE
- identifying and selecting materials and joining methods 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
- joining a minimum of the following:
 - two (2) timber products – one (1) hardwood and one (1) softwood and
 - one (1) composite product
- inspecting finished product 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, characteristics, uses and limitations of timbers, composite and plastic materials
- joining techniques and their effect on materials
- types of joining methods and the impact of these on joining materials
- preparation of drawings/set-outs
- identification of hand and/or power tools, materials, equipment, processes and procedures
- sequences in relation to joining materials.

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 joining furnishing materials 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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