



Australian Government

MSFFM2004 Apply sheet laminates by hand

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers preparing, laying out, applying and finalising processes for applying sheet laminates by hand.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furniture Making

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.												
1 Prepare the work	<table><tr><td>1.1</td><td>Work instructions are used to determine job requirements, including process, materials, finish and quantity</td></tr><tr><td>1.2</td><td>Application sequence is planned</td></tr><tr><td>1.3</td><td>Procedures are determined for checking quality at each stage of the process</td></tr><tr><td>1.4</td><td>Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work</td></tr><tr><td>1.5</td><td>Suitable work area is selected for the task</td></tr><tr><td>1.6</td><td>Tools and equipment suitable for application are identified and checked for safe and effective operation</td></tr></table>	1.1	Work instructions are used to determine job requirements, including process, materials, finish and quantity	1.2	Application sequence is planned	1.3	Procedures are determined for checking quality at each stage of the process	1.4	Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work	1.5	Suitable work area is selected for the task	1.6	Tools and equipment suitable for application are identified and checked for safe and effective operation
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2 Lay out and prepare materials	<table><tr><td>2.1</td><td>Substrata (surfaces to be laminated) are prepared for laminating</td></tr></table>	2.1	Substrata (surfaces to be laminated) are prepared for laminating										
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| | 2.2 | Laminates are selected and checked for flaws following work instructions |
| | 2.3 | Laminates are prepared for application and laid out |
| | 2.4 | Suitable joining processes are selected and prepared |
| 3 | 3.1 | Tools and equipment are used in accordance with workplace procedures, including use of personal protective equipment |
| | 3.2 | Laminates are measured, marked and cut to size |
| | 3.3 | Adhesives are applied according to workplace procedures and/or manufacturer instructions and the laminate applied to the substrata (base material) |
| | 3.4 | Laminates are rolled or hammered to secure according to enterprise practices |
| | 3.5 | Final trim and finishing are completed to specifications |
| | 3.6 | Work is checked against required quality standards |
| 4 | 4.1 | Work area is cleaned, hand and/or power tools and equipment are cleaned, maintained and stored in accordance with workplace procedures |
| | 4.2 | Tools and equipment are cleaned and left in a safe mode |
| | 4.3 | Faulty and/or defective equipment is tagged and reported in accordance with workplace practices |
| | 4.4 | Off-cuts and unused materials are collected and stored for re-use or disposal following workplace procedures |
| | 4.5 | Waste and scrap materials are dealt with following workplace procedures |

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies 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. Range is restricted to essential operating conditions and any other variables essential to the work environment.

Unit context includes:

- WHS requirements, including legislation, building codes, material safety management systems, hazardous substances and dangerous goods code, and local safe operating procedures
- work carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- work requires individuals to demonstrate some discretion, judgement and problem solving in applying laminates by hand
- competency may be demonstrated in workplaces involved in the manufacture of solid timber furniture, domestic furniture, commercial furniture, kitchen and bathroom cabinets and/or furniture components

Tools and equipment include:

- measuring tapes, rulers and marking equipment
- mallets and hammers
- squares, sliding bevels and protractors
- pincers and pliers
- chisels
- planes
- hand saws
- power/battery tools
- power drills/screwdrivers
- pneumatic tools, compressor and spray equipment
- clamps and cramps
- screwdrivers, spanners and files
- laminate rollers
- laminate trimmers and cutters
- adhesive spray gun, brushes and applicators
- scrapers

Materials include:

- timber
- manufactured board
- laminates
- timber strips
- adhesives and cleaning materials

Personal protective equipment includes:

- that prescribed under legislation, regulations and enterprise policies and practices

Information and procedures include:

- workplace procedures relating to use and operation of tools and equipment
- work instructions, including job sheets, plans, drawings and designs
- workplace procedures relating to reporting and communications
- manufacturer instructions for the use of equipment and materials

Unit Mapping Information

Supersedes and is equivalent to LMF2004B Apply sheet laminates by hand.

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 MSFFM2004 Apply sheet laminates by hand

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Performance Evidence

- Interpret work order and locate relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Follow work instructions, operating procedures and inspection practices to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, tools, equipment or products
 - maintain required production output and product quality
- Apply and finish laminates to at least three (3) different surfaces, including at least two (2) requiring laminate edging and with at least two (2) laminate joints in one or more surfaces
- Apply adhesive using three (3) different methods – spray, brush and scraper
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Minimise wastage of resources, including materials, time and money
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Types, characteristics, uses and limitations of laminates
- Interpretation of plan representation of furniture design
- Preparation of drawings/set-outs
- Identification of hand and/or power tools, materials, equipment, processes and procedures
- Work flow in relation to furniture production

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification

- be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to plans, hand and/or power tools, equipment, laminates, finishing materials and woodworking machinery.

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