



Australian Government

MSFSL2001 Assemble leadlight and stained glass components

Release: 1

MSFSL2001 Assemble leadlight and stained glass components

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers assembling leadlight and stained glass components using a range of fixing and joining components.

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

Pre-requisite Unit

Competency Field

Unit Sector

Leadlight and Stained Glass

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

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|---|---------------------------|-----|---|
| 1 | Plan and prepare for work | 1.1 | Applicable work health and safety (WHS), legislative and organisational requirements relevant to the assembly of leadlight and stained glass components are verified and complied with |
| | | 1.2 | Tools and equipment selected to carry out tasks are consistent with the requirements of the job, checked for serviceability, and any faults rectified or reported prior to commencement |
| | | 1.3 | Materials appropriate to the work application are identified, obtained, prepared, safely handled and located ready for use |
| | | 1.4 | Workplace environment considerations are identified and measures to reduce noise, dust and obstacles are applied |
| | | 1.5 | Assembly sequence is planned |

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| | | 1.6 | Fixing and joining devices are selected in accordance with work instructions and type of materials to be joined |
| | | 1.7 | Jigs are selected and checked for suitability of purpose |
| 2 | Assemble components | 2.1 | Components are laid out and assembled using jigs and appropriate fastenings |
| | | 2.2 | Hand and/or power tools, and equipment are used, as required |
| | | 2.3 | Assembled work is checked for compliance with specifications |
| | | 2.4 | Components are prepared, assembled and fitted in accordance with specifications |
| | | 2.5 | Work which does not meet quality specifications is repaired or tagged for further processing or recycling/disposal |
| | | 2.6 | Finished products are organised and stored in holding area |
| 3 | Clean work area and maintain equipment | 3.1 | Faulty and/or defective equipment is tagged and reported in accordance with workplace procedures |
| | | 3.2 | Waste and scrap are removed following workplace procedures |
| | | 3.3 | Tools and equipment used are cleaned, inspected for serviceable condition and stored appropriately in accordance with workplace procedures |
| | | 3.4 | Equipment and work area clean-up is maintained in accordance with 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.

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| Unit context includes: | <ul style="list-style-type: none">• WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent• work is 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 |
| Components include: | <ul style="list-style-type: none">• panels• door inserts• frames• limited basic end items |
| Tools and equipment include: | <ul style="list-style-type: none">• benches• light boxes• glass grinders• lead knives• lead vice• lathekins• farriers nails• glass cutters• grozing and small running pliers• soldering irons and bits• suede• cleaning and polishing brushes• pickers |
| Materials include: | <ul style="list-style-type: none">• coloured/plain glass panels• patterns/templates• timber lathes• ornamental fittings• lead came• solder and fluxes |
| Personal protective equipment includes: | <ul style="list-style-type: none">• that prescribed under legislation, regulation and enterprise policies and practices:<ul style="list-style-type: none">• gauntlets |

Information and procedures include:

- gloves
 - safety glasses
 - hard hats
 - safety footwear
 - aprons and overalls
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- workplace procedures relating to the use of tools and equipment and personal protective equipment
 - work instructions, including job sheets, cutting lists, plans, drawings and designs
 - workplace procedures relating to reporting and communication
 - manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFSL2001B Assemble leadlight and stained glass components.

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 MSFSL2001 Assemble leadlight and stained glass components

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Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Assemble leadlight and stained glass components, including one (1) each from a panel, door insert and frame, to industry standards
- 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
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- State or territory WHS legislation, regulations, standards and codes of practice relevant to the full range of processes for assembling leadlight and stained glass components
- Organisational and site standards, requirements, policies and procedures for component assembly
- Environmental protection requirements relating to the disposal of waste material
- Established communication channels and protocols
- Relevant problem identification and resolution
- Types of tools and equipment and procedures for their safe use, operation and maintenance
- Characteristics of leadlight and stained glass components and materials used in assembly
- Procedures for the recording, reporting and maintenance of workplace records and information

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 materials, equipment and specifications relevant to assembly of leadlight and stained glass components.

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