



Australian Government

Department of Education, Employment and Workplace Relations

LMFSL2001B Assemble leadlight and stained glass components

Release: 1

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Modification History

Updated format, revised Evidence Guide. Outcome equivalent.

Unit Descriptor

This unit of competency covers the skills and knowledge required to assemble leadlight and stained glass components.

Application of the Unit

This unit supports the attainment of skills and knowledge required for competent workplace performance in leadlight and stained glass operations of all sizes. The assembly of leadlight and stained glass components applies to a workshop environment and involves application of skills and knowledge at a production worker level. These skills and knowledge are to be used within the scope of the individual's job and authority.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Not applicable.

Employability Skills Information

This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.

Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.

Elements and Performance Criteria

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| 1 | Plan and prepare
<i>for work</i> | <p>1.1 Applicable occupational health and safety (OHS), legislative and organisational requirements relevant to the assembly of leadlight and stained glass components are verified and complied with</p> <p>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</p> <p>1.3 Materials appropriate to the work application are identified, obtained, prepared, safely handled and located ready for use</p> <p>1.4 Workplace environment considerations are identified and measures to reduce noise, dust and obstacles are applied</p> <p>1.5 Assembly sequence is planned</p> <p>1.6 Fixing and joining devices are selected in accordance with work instructions and type of materials to be joined</p> <p>1.7 Jigs are selected and checked for suitability of purpose</p> |
| 2 | Assemble
components | <p>2.1 Components are laid out and assembled using jigs and appropriate fastenings</p> <p>2.2 Hand and/or power tools, and equipment are used, as required</p> <p>2.3 Assembled work is checked for compliance with specifications</p> <p>2.4 Components are prepared, assembled and fitted in accordance with specifications</p> <p>2.5 Work which does not meet quality specifications is repaired or tagged for further processing or recycling/disposal</p> <p>2.6 Finished products are organised and stored in holding area</p> |

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| 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 |

Required Skills and Knowledge

This section describes the skills and knowledge required for this unit.

Required skills include:

- collecting, organising and understanding materials, technology and information related to leadlight and stained glass components
- using communication skills to the level required to confirm work requirements and specifications; communicate effectively regarding work requirements with supervisors, other workers and customers; report work outcomes and problems; and relate to people from a range of social, cultural and ethnic backgrounds, and of varying physical and mental abilities
- using literacy skills to the level required to understand information related to work orders, including common industry terminology, plans and safety procedures; prepare reports; and interpret technical information and specifications
- maintaining quality records related to leadlight and stained glass components
- working with others and in a team by recognising dependencies and using cooperative approaches to optimise workflow and productivity
- identifying, anticipating and responding to faults in leadlight and stained glass components
- recognising and responding to circumstances outside instructions or personal competence
- planning and organising activities, including the preparation and layout of own worksite, and the obtaining and use of tools and materials to avoid any backtracking, work flow interruptions or wastage
- using mathematical ideas and techniques to correctly complete measurements, calculate area and volume, and estimate work and material requirements
- clarifying and confirming work instructions
- planning own work within the given task parameters
- accepting responsibility for given tasks
- setting, monitoring and satisfying personal work goals
- maintaining current knowledge of tools and materials
- maintaining current knowledge of leadlight and stained glass components
- seeking learning opportunities
- using the workplace technology related to leadlight and stained glass components, including computers, measuring devices and recording systems

Required knowledge includes:

- state or territory OHS 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
- 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

Evidence Guide

The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Overview of assessment	Assessment processes and techniques must be culturally appropriate and appropriate to the language, literacy and numeracy capacity of the candidate and the work being performed.
Critical aspects for assessment and evidence required to demonstrate competency in this unit	Assessors must be satisfied that the candidate can competently and consistently: - locate, interpret and apply relevant information, standards and specifications - comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for component assembly - communicate effectively and work safely with others in the work area - follow work instructions, operating procedures and inspection practices to: - minimise the risk of injury to self or others - prevent damage to components, equipment and products - maintain required production output and product quality - safely and effectively use operational tools and equipment - assemble a range of leadlight and stained glass components.
Context of, and specific resources for assessment	The application of competency is to be assessed in the workplace or realistically simulated workplace. Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints. Assessment of essential underpinning knowledge, other than confirmatory questions, will usually be conducted in an off-site context. Assessment is to comply with relevant regulatory or Australian Standard requirements. The following resources should be made available: - workplace location or simulated workplace - materials and equipment relevant to assembly of

	leadlight and stained glass components • specifications and work instructions.
Method of assessment	Assessment must satisfy the endorsed Assessment Guidelines of the LMF02 Furnishing Industry Training Package. Assessment methods must confirm consistency and accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge. Assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application. Assessment may be applied under project-related conditions (real or simulated) and require evidence of process. Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances. Assessment may be in conjunction with assessment of other units of competency.
Guidance information for assessment	

Range Statement

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

<i>OHS requirements</i> are to be in accordance with:	• Commonwealth, state or territory legislation and regulations, organisational safety policies and procedures. Requirements may include, but are not limited to: • the use of personal protective equipment and clothing • fire fighting equipment • first aid equipment • hazard and risk control and elimination of
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	hazardous materials and substances • manual handling, including lifting and carrying
Legislative requirements are to be in accordance with:	• applicable legislation from all levels of government that affect organisational operation. Requirements may include, but are not limited to: • award and enterprise agreements • industrial relations • Australian Standards • confidentiality and privacy • OHS requirements • the environment • equal opportunity • anti-discrimination • relevant industry codes of practice • duty of care and heritage
Organisational requirements may include, but are not limited to:	• legal, organisational and site guidelines, policies and procedures relating to own role and responsibility • quality assurance • procedural manuals • quality and continuous improvement processes and standards • OHS procedures • emergency and evacuation • ethical standards • recording and reporting • access and equity principles and practices • equipment use, maintenance and storage • environmental management (waste disposal, recycling and reuse guidelines)
Components may include, but are not limited to:	• panels • door inserts • frames • limited basic end items
Tools and equipment may include:	• 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 brushers • pickers
Materials may include, but are not limited to:	• coloured/plain glass panels, patterns/templates • timber lathes • ornamental fittings • lead came • solder and fluxes

Unit Sector(s)

Leadlight and stained glass

Custom Content Section

Not applicable.