



Australian Government

Department of Education, Employment and Workplace Relations

LMFSL2001A Assemble lead light and stained glass components

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the assembly of lead light and stained glass components
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Application of the Unit

Application of the unit	This unit supports the attainment of skills and knowledge required for competent workplace performance in lead light 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.
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units	Nil	

Employability Skills Information

Employability skills	This unit contains employability skills.
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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.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Plan and prepare	1.1. Applicable OHS, legislative and organisational requirements relevant to the assembly of lead light 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 are 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 1.6. Fixing and joining devices are selected in line 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, equipment are used as required 2.3. Assembled work is checked for compliance with specifications 2.4. Components are prepared, assembled and fitted as per specification 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/s and maintain equipment	3.1. Faulty and/or defective equipment is tagged and reported in accordance with workplace procedures 3.2. Waste and scrap is removed following workplace procedures 3.3. Tools and equipment used is cleaned; inspected for serviceable condition and stored appropriately in accordance with workplace procedures 3.4. Equipment and work area clean-up is maintained in

ELEMENT	PERFORMANCE CRITERIA
	accordance with workplace procedures

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- collect, organise and understand materials technology and information related to leadlight and stained glass components
- communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- maintain quality records related to leadlight and stained glass components
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity
- identify, anticipate and respond to faults in leadlight and stained glass components
- recognise and respond to circumstances outside instructions or personal competence
- plan and organise 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
- use mathematical ideas and techniques to correctly complete measurements, calculate area and volume, estimate work and material requirements
- clarify and confirm work instructions
- plan own work within the given task parameters
- accept responsibility for given tasks
- set, monitor and satisfy personal work goals
- satisfy the competency requirements for the job
- maintain current knowledge of tools and materials
- maintain current knowledge of leadlight and stained glass components
- seek learning opportunities
- use the workplace technology related to leadlight and stained glass components including computers, measuring devices and recording systems

Required knowledge

- State or Territory OHS legislation, regulations, standards and codes of practice relevant to the full range of processes for manufacturing and installing security screens and grills
- 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

REQUIRED SKILLS AND KNOWLEDGE

maintenance

- characteristics of lead light and stained glass components and materials used in assembly
- procedures for the recording, reporting and maintenance of workplace records and information

Evidence Guide

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.

Critical aspects for assessment and evidence required to demonstrate competency in this unit

- Location, interpretation and application of 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
- Safe and effective operational use of tools and equipment
- Assemble a range of lead light 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 Standards requirements
- The following resources should be made available:
 - workplace location or simulated workplace
 - materials and equipment relevant to assembly of lead light and stained glass components
 - specifications and work instructions

Method of assessment

Assessment must satisfy the endorsed assessment guidelines of the Furnishing Industry Training Package
Assessment methods must confirm consistency and

EVIDENCE GUIDE

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

Range Statement

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.

OHS requirements	are to be in accordance with Commonwealth, State or Territory legislation and regulations, organisational safety policies and procedures. Requirements may include but not be limited to the use of personal protective equipment and clothing, fire fighting equipment, first aid equipment, hazard and risk control and elimination of 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 not be limited to award and enterprise agreements, industrial relations, Australian Standards, confidentiality and privacy, OHS, the environment, equal opportunity, anti-discrimination, relevant industry codes of practice, duty of care and heritage.
Organisational requirements	may include but not be 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, 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 re-use guidelines)
Components	may include, but are not limited to panels, door inserts, frames and limited basic end items
Tools and equipment	may include benches, light boxes, glass grinders, lead knives, lead vice, lathekins,

RANGE STATEMENT	
	farriers nails, glass cutters, grozing and small running pliers, soldering irons and bits, suede, cleaning and polishing brushers and 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)

Unit sector	Lead Light and Stained Glass
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Competency field

Competency field	
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Co-requisite units

Co-requisite units		