



**Australian Government**

# **MSFPPF2006 Cut and handle glazing materials for framing**

**Release: 1**

# MSFPF2006 Cut and handle glazing materials for framing

## Modification History

Release 1 - New unit of competency

## Application

This unit of competency covers cutting and handling glazing materials, including acrylic sheet, for picture and mirror frames.

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

## Pre-requisite Unit

## Competency Field

## Unit Sector

Picture Framing

## Elements and Performance Criteria

Elements describe the essential outcomes.

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

- |                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>1</b> Identify work requirements | <div style="margin-left: 20px;"><b>1.1</b> Work requirements, including materials, types of cuts and quantities required, are identified from work instructions or job order in accordance with workplace procedures</div> <div style="margin-left: 20px;"><b>1.2</b> Work health safety (WHS) requirements, including personal protection needs, are observed throughout the work</div> <div style="margin-left: 20px;"><b>1.3</b> Tools, equipment and materials are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition</div> <div style="margin-left: 20px;"><b>1.4</b> Cutting list and quality standards are determined and procedures identified in accordance with workplace requirements</div> <div style="margin-left: 20px;"><b>1.5</b> Glazing material to be cut is selected using information from the work order, including type, thickness, colour and dimensions</div> |
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- |   |                       |                                                                                                                                                                                                           |
|---|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | 1.6                   | Machines, equipment and settings required to perform the work are identified                                                                                                                              |
| 2 | Prepare for work      | 2.1 Sequence of work is planned to ensure cutting is conducted in a logical order                                                                                                                         |
|   | 2.2                   | Suitable cutting and lubrication methods are selected                                                                                                                                                     |
|   | 2.3                   | Cutting table is selected and work surface is cleared of debris and dust                                                                                                                                  |
|   | 2.4                   | Work area is cleared of obstructions and potential hazards                                                                                                                                                |
|   | 2.5                   | Glazing material is checked for imperfections and damage prior to handling                                                                                                                                |
|   | 2.6                   | Glazing material to be processed is located in the work area using correct manual handling procedures and any specialised handling techniques and precautions, observing any labelling instructions       |
|   | 2.7                   | Glazing material is measured accurately to minimise waste and within specified tolerances according to workplace standards                                                                                |
|   | 2.8                   | Components and controls of machines, including emergency stops and guards, are identified and tested for working order                                                                                    |
| 3 | Cut glazing materials | 3.1 Tools and equipment are operated and monitored in accordance with manufacturer instructions and workplace procedures to ensure correct product quality and output                                     |
|   | 3.2                   | Glazing material is processed to required standard in accordance with job order, work instructions and procedures, including the performance of routine lubrication and adjustments of machines/equipment |
|   | 3.3                   | Problems occurring during work operations are identified and reported to appropriate persons                                                                                                              |
|   | 3.4                   | Authorised changes in working procedures are followed                                                                                                                                                     |
| 4 | Complete work         | 4.1 Completed product is inspected for quality of work and repaired, reprocessed or discarded in accordance with workplace procedures                                                                     |
|   | 4.2                   | Cut glazing material is labelled and stored following workplace procedures                                                                                                                                |

- 4.3 Scraps and off-cuts are removed for disposal/recycling as required
- 4.4 Work area is cleaned and rubbish disposed of as appropriate
- 4.5 Workplace documentation is completed as required
- 4.6 Tools, equipment and unused materials are removed and stored appropriately

## 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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|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit context includes:</b>     | <ul style="list-style-type: none"><li>• WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent</li><li>• work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements</li><li>• work requires individuals to demonstrate some discretion, judgement and problem solving</li></ul> |
| <b>Glazing materials include:</b> | <ul style="list-style-type: none"><li>• plain sheet glass</li><li>• speciality glass</li><li>• non-glare glass</li><li>• UV clear glass</li><li>• UV non-glare glass</li><li>• sheet acrylic</li><li>• conservation acrylic</li></ul>                                                                                                                                                                                                                                                                                                        |

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Tools and equipment include:</b>            | <ul style="list-style-type: none"><li>• mirrors</li><li>• flat felt-covered cutting tables</li><li>• tungsten wheel glass cutters</li><li>• wall-mounted glass cutters</li><li>• saws</li><li>• scoring tools</li><li>• speed cutters</li><li>• T-squares or L-squares</li><li>• tape measures</li><li>• marking pens or chinagraph pencils</li><li>• templates</li><li>• lubricants</li></ul> |
| <b>Personal protective equipment includes:</b> | <ul style="list-style-type: none"><li>• that prescribed under legislation, regulations and enterprise policies:<ul style="list-style-type: none"><li>• gloves</li><li>• safety glasses</li><li>• safety footwear</li><li>• aprons and overalls</li></ul></li></ul>                                                                                                                             |
| <b>Information and procedures include:</b>     | <ul style="list-style-type: none"><li>• workplace procedures relating to the use of tools and equipment</li><li>• work instructions, including job sheets, cutting lists, plans, drawings and designs</li><li>• workplace procedures relating to reporting and communication</li><li>• manufacturer specifications and operational procedures</li></ul>                                        |

## Unit Mapping Information

Supersedes and is equivalent to LMFPF2006B Cut and handle glazing materials for framing.

## 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 MSFPF2006 Cut and handle glazing materials for framing

## Modification History

Release 1 - New unit of competency

## 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
- Set up, prepare for and cut glazing materials:
  - cut three (3) pieces of glass to within .05 mm tolerance
  - cut three (3) pieces of acrylic to within .05 mm tolerance
  - cut two (2) pieces of oval glass to within 1.5 mm tolerance
- 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

- Qualities and characteristics of glazing materials, including the hazards and handling requirements
- Identification of glazing material cutting equipment, functions and procedures
- Set-up and operation of glazing material cutting equipment, including procedures for reporting product defects or equipment faults
- Workplace safety system requirements related to the cutting of glazing materials
- Work flow in relation to the cutting of glazing materials

## 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 glazing material, cutting equipment, table, work area, work orders and appropriate safety and personal protection equipment.

## Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>