



**Australian Government**

# **MSFGG3025 Apply patterns and designs to glass**

**Release: 1**

# MSFGG3025 Apply patterns and designs to glass

## Modification History

Release 1. Supersedes and is equivalent to MSFGG3009 Apply patterns and designs to glass.

## Application

This unit describes the skills and knowledge required to apply patterns and/or designs to glass surfaces to manufacture decorative glass products.

This unit applies to glass processing workers.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

## Pre-requisite Unit

N/A

## Unit Sector

Glass and Glazing

## Elements and Performance Criteria

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                   |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                 |
| 1. Identify work requirements                    | 1.1 Read work instructions and identify job requirements<br>1.2 Identify and follow work health and safety requirements, using all required personal protective equipment<br>1.3 Select and check required tools, equipment and materials for serviceability and safety prior to use<br>1.4 Plan sequence of work to ensure processing is conducted in a logical order |
| 2. Apply pattern or design                       | 2.1 Produce required template from plan or design using software in accordance with workplace practices<br>2.2 Apply pattern or design template or mask glass surface with appropriate materials in accordance with job requirements<br>2.3 Apply pattern or design to glass surface in accordance with workplace procedures or industry practice                      |

| Elements                                         | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <i>Elements describe the essential outcomes.</i> | <i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>                                                                                                                                                                                                                                                                                                     |
|                                                  | 2.4 Identify and report problems to appropriate persons, and follow any authorised changes in working procedures<br>2.5 Inspect product for quality of work and repair or discard in accordance with workplace procedures                                                                                                                                                                                  |
| 3. Complete work                                 | 3.1 Label processed glass and store in accordance with workplace procedures ensuring there are no projections<br>3.2 Clean work area, safely dispose of rubbish and identify items for recycling in accordance with workplace procedures<br>3.3 Remove and store tools, equipment and unused materials in accordance with workplace procedures<br>3.4 Accurately complete required workplace documentation |

## Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Unit Mapping Information

Supersedes and is equivalent to MSFGG3009 Apply patterns and designs to glass.

## 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 MSFGG3025 Apply patterns and designs to glass

## Modification History

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## Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- completed the following in accordance with all job and safety requirements:
  - set up, processed, uploaded, cut and applied designs from computerised software programs on 2 occasions
  - applied patterns and designs to glass using 2 different methods.
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## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- workplace safety system requirements related to the application of patterns and designs to glass surfaces
- work flow requirements in relation to other stages of the work process
- mathematical procedures for estimation and measurement, including calculation of area and estimation of material requirements
- content of typical work instructions for applying patterns and designs, including:
  - material to be used for application of design or pattern
  - material curing time pattern or plan to be followed
  - process required to complete work tasks
  - items to which pattern or design is to be applied
  - holding area for completed items
- qualities and characteristics of glass and materials, including hazards and handling requirements for:
  - annealed glass
  - laminated glass
  - toughened glass
  - mirrors
- types, characteristics, safe use, maintenance and limitations of tools, equipment and materials:
  - digital printing equipment
  - etching chemicals
  - masking materials

- sandblasting equipment
- screen printing equipment
- templates
- techniques for applying patterns and designs to glass, the types of problems that may occur and how to avoid and respond
- quality indicators for designed glass
- procedures for the recording, reporting and maintenance of workplace records and information.
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## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - glass processing work area
  - safety and personal protective equipment
  - equipment, tools and materials to complete tasks in the Performance Evidence
  - glass product
  - work orders
  - workplace procedures.

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