



**Australian Government**

# **MSFGG3028 Select, cut and process materials for glazing products**

**Release: 1**

# MSFGG3028 Select, cut and process materials for glazing products

## Modification History

Release 1. Supersedes and is not equivalent to MSFGG2009 Fabricate and assemble frames, and, MSFGG3020 Use static machines for aluminium and unplasticised polyvinyl chloride (uPVC) fabrication.

## Application

This unit describes the skills and knowledge required to identify work requirements, prepare tools and materials, and cut and process materials for glazing products. Materials may be aluminium, steel, timber or unplasticised polyvinyl chloride (uPVC).

This unit applies to individuals cutting and processing materials in accordance with pre-determined work orders and plans.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking glass and glazing work. Access to construction sites requires certification of general induction training specified by the National Code of Practice for Induction for Construction Work (ASCC 2007).

## 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 documentation and identify cutting and processing requirements 1.2 Identify and follow work health and safety requirements 1.3 Plan a logical work sequence suited to the job and workplace procedures
2. Prepare for work	2.1 Select and check tools and equipment for suitability, serviceability

<b>Elements</b>	<b>Performance Criteria</b>
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	<p>and safety prior to use</p> <p>2.2 Identify and match samples signed off by the customer</p> <p>2.3 Check required components against specifications and select from available products</p> <p>2.4 Set and test cutting equipment settings and safety controls in accordance with workplace procedures and manufacturer instructions</p> <p>2.5 Accurately measure materials, and mark to cutting list requirements with most economical use of materials</p>
3. Cut materials	<p>3.1 Reconfirm machine settings through trial cutting on test materials prior to commencement of full cutting process</p> <p>3.2 Cut materials to list requirements in accordance with workplace procedures</p> <p>3.2 Identify problems with the cutting process and make required adjustments to process or equipment</p> <p>3.3 Check and confirm that materials have been correctly and accurately cut to size based on job specifications and repair, reprocess or discard in accordance with workplace procedures</p>
4. Fabricate parts	<p>4.1 Set and test equipment settings and safety controls in accordance with workplace procedures and manufacturer instructions</p> <p>4.2 Position and secure materials in jig to prevent movement</p> <p>4.3 Process materials in accordance with specification</p> <p>4.4 Identify processing problems and make required adjustments to process or equipment</p> <p>4.5 Inspect completed product for compliance with quality and work order requirements and repair, reprocess or discard in accordance with workplace procedures</p>
5. Complete work	<p>5.1 Process and store completed product in accordance with workplace procedures</p> <p>5.2 Remove excess materials for disposal or recycling in accordance with workplace procedures</p> <p>5.3 Clean work area and safely dispose of rubbish</p> <p>5.4 Remove and store tools, equipment and unused materials in accordance with workplace procedures</p> <p>5.5 Accurately complete required workplace documentation</p>

## **Foundation Skills**

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

## **Unit Mapping Information**

No equivalent unit.

## **Links**

Companion Volume implementation guides are found in VETNet -

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