



Australian Government

MSFGG3038 Conduct commercial and structural reglazing

Release: 1

MSFGG3038 Conduct commercial and structural reglazing

Modification History

Release 1. Supersedes and is equivalent to MSFGG3019 Conduct commercial and structural re-glazing.

Application

This unit describes the skills and knowledge required to replace glass in commercial and structural applications.

This unit applies to glaziers working in accordance with pre-determined work orders.

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. Industry standards and codes of practice within Australia must also be applied. 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 Identify work requirements for the type of glass to be used and the method of fixing from work documentation and communication with the customer 1.2 Identify and follow work health and safety requirements for commercial reglazing 1.3 Plan a logical work sequence suited to the job and workplace procedures
2. Prepare for work	2.1 Take accurate site measurements and establish clearance and wedge requirements

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	2.2 Select glass and frames to match job requirements and check for type, size and imperfections against job requirements and relevant Australian Standards 2.3 Select glass fixing method to meet specifications 2.4 Select and check tools and equipment for suitability, serviceability and safety prior to use
3. Identify site conditions and constraints	3.1 Consult customer and obtain permission prior to site inspection 3.2 Identify site safety hazards and take corrective action to reduce injury to self and others 3.3 Identify other on-site characteristics for their impact on the installation process 3.4 Take accurate site measurements and confirm against job specification 3.5 Protect existing fixtures and fittings through the application of suitable coverings
4. Prepare frame and materials	4.1 Remove glass in accordance with safety requirements 4.2 Assess frame condition to ensure suitability for reglazing in accordance with Australian Standards 4.3 Report defective frames for repair or replacement in accordance with workplace procedures 4.4 Prepare frame to receive glass in accordance with specifications 4.5 Prepare fixing and sealing materials by mixing or cutting to length, in accordance with job requirements
5. Cut and fit glass	5.1 Safely cut glass using appropriate equipment in accordance with specific job requirements 5.2 Fix glass to the frame using the selected method in accordance with workplace procedures and Australian Standards 5.3 Use solvents and sealants in accordance with manufacturer recommendations and Australian Standards 5.4 Remove excess sealing material and clean glass and frame with suitable cleaning agents after fixing
6. Complete work	6.1 Check completed installation for compliance with customer requirements, specifications and Australian Standards 6.2 Clean and store tools, equipment and materials in accordance with

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	workplace procedures 6.3 Clean work area and leave in a safe condition and dispose of waste or recycle in accordance with workplace protocols 6.4 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 MSFGG3019 Conduct commercial and structural re-glazing.

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 MSFGG3038 Conduct commercial and structural reglazing

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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:

- accurately measured glass in accordance with job specifications for all of the following:
 - curved glass
 - doors
 - sliding tracks
 - shopfronts and returns
 - curtain wall
 - structural and/or overhead glazing
- used 3 different commercial products, one of which must be curved glass
- used the following glazing methods:
 - pocket
 - flush
 - channel glazing
 - structural and double glazing.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- Australian Standards, their purpose and key provisions:
 - AS 1288
 - AS/NZS 466
- regulations and standards for safe working at heights and on scaffolding
- mathematical procedures for estimation and measurement
- organisational customer communication standards and protocols
- types, characteristics and uses of commercial and structural glazing products
- commercial and structural reglazing:
 - workplace safety system requirements
 - work flow requirements for fitting glass
 - qualities and characteristics of glass, including hazards and handling requirements

- qualities and characteristics of different frame types and how this impacts the glazing process, including:
 - plastic
 - aluminium
 - steel
 - solid timber
- considerations for selection of fixing methods
- techniques, methods, materials and processes for glazing and reglazing, the types of problems that may occur and how to avoid and respond
- types of silicone products and their use, including structural silicone
- fabrication methods for different products and how this impacts installation
- basic fabrication techniques for on-site product adjustments
- quality assurance
- types, characteristics, safe use, maintenance and limitations of installation tools and equipment.

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:
 - a commercial site for glazing and reglazing
 - equipment, tools and materials to complete tasks in the Performance Evidence
 - work orders
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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