



Australian Government

MSFGG2011 Glaze and reglaze residential windows and doors

Release: 1

MSFGG2011 Glaze and reglaze residential windows and doors

Modification History

Release 1. Supersedes and is equivalent to MSFGG2008 Glaze and re-glaze residential windows and doors.

Application

This unit describes the skills and knowledge required to install glass to metal or timber doors, windows and other frames. It includes residential glazing and reglazing confined to simple windows such as fixed, sliding, casement, awning and double hung or louvres and doors such as sliding, hinged, pivot and bi-fold. Work may involve removal and installation of designed glass panels.

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

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 Identify requirements for glass type and fixing method from review of documentation and communication with the customer 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 Take accurate site measurements and establish clearance and wedge requirements 2.2 Select glass and frames, and check for type, size and imperfections against job requirements 2.3 Select glass type and fixing method in accordance with Australian

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	Standards and advise customer if requirements impact on glass ordered 2.4 Select and check tools and equipment for suitability, serviceability and safety prior to use 2.5 Prepare fixing and sealing materials by mixing or cutting to length, in accordance with job requirements
3. Identify site conditions and constraints	3.1 Recognise on-site hazards and constraints and take corrective action in accordance with regulations and workplace requirements 3.2 Apply covering material to protect existing fixtures and fittings in accordance with workplace procedures 3.3 Identify characteristics of the window or door which may affect the finished job and take corrective action
4. Perform glazing	4.1 Safely remove and dispose of glass from existing frame in accordance with workplace procedures 4.2 Prepare frame to receive glass through check of size against specifications, removal of sealant remains, and surface preparation 4.3 Cut glass to size in accordance with work requirements 4.4 Fix glass to the frame using the selected method and in accordance with established industry procedures and Australian Standards 4.5 Use solvents and sealants in accordance with manufacturer recommendations and Australian Standards 4.6 Remove excess sealing material and clean glass and frame with suitable cleaning agents after fixing
5. Complete work	5.1 Check completed installation for compliance with specifications and rectify any deficiencies 5.2 Clean and store tools, equipment and materials in accordance with workplace procedures 5.3 Clean work area and leave in a safe condition, and dispose of or recycle waste in accordance with workplace protocols 5.4 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 MSFGG2008 Glaze and re-glaze residential windows and doors.

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 MSFGG2011 Glaze and reglaze residential windows and doors

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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:

- performed each of the following tasks at least once:
 - cut glass in accordance with Australian Standard AS1288
 - calculated glazing clearance and cutting size
 - hacked out and/or removed beads and glass safely from timber windows and doors
 - prepared glazing rebates and channels prior to installation
 - removed and disassembled aluminium window sashes and doors and removed glass safely
 - installed and/or adjusted unique, spiral or spring balances on double hung windows
 - taken template and glazed irregular shaped openings
- glazed or reglazed each of the following at least once in accordance with AS1288:
 - timber putty faced window sashes or door panel
 - timber beaded:
 - sidelight
 - fixed panel
 - pivot or hinged or bi-fold doors
 - aluminium framed channel glazed door or window
 - aluminium framed beaded door or window with wedge rubbers
 - louvre blades.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- relevant Australian Standards, their purpose and key provisions:
 - AS 1288: Glass in buildings - Selection and installation
 - AS/NZS 2208: Safety glazing materials in buildings
 - AS/NZS 4667: Quality requirements for cut-to-size and processed glass
- organisational customer communication standards and protocols
- workplace safety system requirements related to the glazing of window and doorframes

- work flow requirements in relation to fitting glass
- qualities and characteristics of glass, including hazards and handling requirements for:
 - annealed glass
 - coated glass and insulated glass units
 - laminated glass patterned glass
 - tinted and heat reflective glass
 - toughened glass
 - wired glass
- qualities and characteristics of different frame types and how this impacts the glazing process, including:
 - plastic
 - aluminium
 - steel
 - solid timber
- factors that affect the fixing of glass and how this impacts on work, including:
 - compliance
 - specification
 - type of glass and frame
 - security requirements for specific locations
 - sealing methods
- types, characteristics, safe use, maintenance and limitations of tools, equipment and materials, including:
 - glass handling and lifting equipment
 - hack-out knives
 - nail punches
 - pop rivet guns
 - pry bars
 - putty knives
 - rubber mallets
 - sealant guns
 - spiral balancer
 - sprig and/or diamond guns
 - tape measures
 - tungsten wheel glass cutters
 - vinyl cutters and rollers
- types, characteristics, safe use and limitations of other materials, including:
 - adhesives
 - gaskets
 - glazing tapes
 - sealants

- setting blocks
- factors for consideration for products that include sash cords
- glazing techniques for window and door frames, the types of problems that may occur and how to avoid and respond, including:
 - channel glazing
 - beaded glazing
 - double glazing
 - heal and toe glazing
- quality indicators for glazed windows and doors
- documentation requirements for completed glazing work.
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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:
 - locations and/or frames requiring glazing and reglazing
 - frames and glass as specified in the Performance Evidence
 - equipment, tools and materials to perform tasks specified in Performance Evidence
 - work orders
 - workplace procedures.

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

Links

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