



Australian Government

MSFGG3034 Install residential windows and doors

Release: 1

MSFGG3034 Install residential windows and doors

Modification History

Release 1. Supersedes and is not equivalent to MFGG3016 Fabricate and install residential windows and doors.

Application

This unit describes the skills and knowledge required to identify work requirements, prepare tools and materials, and install window and door products in residential environments. This may include wardrobe doors.

This unit applies to glaziers installing products 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. 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 installation requirements 1.2 Identify and follow work health and safety requirements 1.3 Determine required installation methods and materials, and estimate quantities 1.4 Plan a logical work sequence suited to the job and workplace procedures
2. Prepare for installation	2.1 Select and check tools and equipment for suitability, serviceability and safety prior to use

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 and confirm type and quantity of components and materials against specifications 2.3 Measure and prepare components and materials using required tools in accordance with specifications.
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. Install products	4.1 Prepare opening to receive product in accordance with specific job requirements 4.2 Move product into place in accordance with safety requirements 4.3 Prepare product for installation and make adjustments to ensure correct fit 4.4 Fix product using the selected method and in accordance with Australian and industry standards 4.5 Use solvents and sealants in accordance with manufacturer recommendations and Australian Standards 4.6 Remove excess sealing material and clean product after fixing 4.7 Inspect completed installation against specifications and quality requirements, and rectify any defects
5. Complete work	5.1 Obtain and document customer approval of the completed installation in accordance with workplace procedures 5.2 Remove scraps and off-cuts for disposal or recycling in accordance with workplace procedures 5.3 Clean work area and safely dispose of rubbish 5.4 Remove tools, equipment and unused materials in accordance with workplace procedures 5.5 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

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>

Assessment Requirements for MSFGG3034 Install 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:

- installed the following in accordance with work, safety and Australian Standards requirements
 - 1 residential window with hardware
 - 1 residential door with hardware.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- Australian Standards, their purpose and key provisions:
 - AS1288
 - AS 2047: sections 6 and 8
 - AS/NZS 4667
- mathematical procedures for estimation and measurement
- organisational customer communication standards and protocols
- types, characteristics and uses of residential window and door products and associated hardware:
 - materials
 - door styles:
 - bi-fold
 - sliding
 - timber framed
 - hinged
 - window styles:
 - awning
 - casement
 - double glazed
 - double hung
 - louvre

- sliding
 - framed, including timber and other materials
- residential window and door installation:
 - workplace safety system requirements
 - work flow requirements
 - site characteristics that may impact installation and how to respond
 - considerations for selection of fixing methods
 - installation techniques, the types of problems that may occur and how to avoid and respond:
 - preparing the opening
 - installing and fixing the product
 - adding hardware
 - fabrication methods for different products and how this impacts the installation process
 - basic window and door fabrication techniques for on-site product adjustments
 - quality assurance
 - types, characteristics, safe use, maintenance and limitations of installation tools and equipment
 - uses and limitations of adhesives and sealants for different products and installation contexts
 - documentation requirements for installation 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:
 - 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.

Links

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