



Australian Government

MSFGG2016 Assemble glazing products

Release: 1

MSFGG2016 Assemble glazing products

Modification History

Release 1. Supersedes and is not equivalent to MSFGG2009 Fabricate and assemble frames.

Application

This unit describes the skills and knowledge required to identify work requirements, prepare for work and assemble components for glazing products. Glazing products may be made from aluminium, steel, timber or unplasticised polyvinyl chloride (uPVC).

This unit applies to individuals assembling products in accordance with pre-determined work orders and plans.

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

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 and components	1.1 Read work documentation and identify assembly 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 assembly	2.1 Select and check tools and equipment for suitability, serviceability and safety prior to use 2.2 Select and confirm component parts against specifications 2.3 Check measurements for accuracy, legibility and tolerance, and note and position mating or directional marks 2.4 Set up assembly tools and equipment in accordance with production objectives, manufacturer instructions and workplace procedures

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
3. Assemble components	3.1 Lay out and assemble components ensuring conformity to specifications, alignment and appropriate fastening 3.2 Attach hardware and fixings in accordance with specifications 3.3 Reveal product once assembled in accordance with job requirements 3.4 Inspect completed product for compliance with specifications and quality requirements, and repair, reprocess or discard in accordance with workplace procedures
4. Complete work	4.1 Label and store completed products in accordance with workplace procedures and Australian Standards 4.2 Clean work area and safely dispose of waste 4.3 Remove and store tools, equipment and unused materials in accordance with workplace procedures 4.4 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

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 MSFGG2016 Assemble glazing products

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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:

- assembled 3 of the following types of glazing products with relevant hardware in accordance with job requirements:
 - double hung
 - casement
 - sashless sliding pack
 - showerscreen framed or semi-frameless
 - sliding
 - wardrobe
- installed all of the following component hardware to products (this may require product in addition to those above):
 - weather seals
 - wheels
 - stays
 - hinges
 - guides
 - locks.
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Knowledge Evidence

There must be evidence the candidate has knowledge of

- Australian Standards AS 2047: (Sections 6, 7 and 8)
- glazing product assembly:
 - workplace safety system requirements
 - work flow
 - characteristics, uses and limitations of different products
 - how to interpret processing requirements from different types of work documentation
 - types, characteristics, safe use, maintenance and limitations of fabrication tools and equipment:
 - assembly benches

- copy routers
- electric and pneumatic powered drills and screwdrivers
- end millers
- frame and sash tooling
- hand tools
- hydraulic and manual presses
- pleuws guns
- pneumatic
- pop rivet guns
- saws, including drop and upcut
- type, characteristics, uses and limitations of other materials used in assembly:
 - fasteners (screws and pop rivets)
 - gaskets
 - hardware
 - plastics
 - sealants
 - tapes
 - timber reveals
 - vinyl
- techniques for product assembly, the types of problems that may occur and how to avoid and respond
- quality indicators for assembled products
- 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:
 - product materials and components
 - equipment, tools and materials to complete tasks in the Performance Evidence
 - safety and personal protective equipment
 - work orders
 - workplace procedures.

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

Links

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