



Australian Government

MSFGG4009 Apply standards and codes of practice for the glass industry

Release: 1

MSFGG4009 Apply standards and codes of practice for the glass industry

Modification History

Release 1. Supersedes and is equivalent to MSFGG4001 Apply standards and codes of practice for the glass industry.

Application

This unit describes the skills and knowledge required to evaluate potentially complex glass and glazing requirements, determine codes and standards that must be applied and integrate those requirements into work processes.

This unit applies to experienced workers who interpret and use potentially complex technical information to develop glass and glazing work solutions. They may work in the manufacture, processing and/or installation of glass components. Job roles often involve leadership responsibilities.

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

Nil.

Competency Field

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. Evaluate glass and glazing work requirements	1.1 Identify and correctly interpret glass and glazing job requirements from workplace documentation and consultation 1.2 Accurately record requirements to inform analysis 1.3 Conduct technical evaluation and correctly determine compliance requirements and job feasibility
2. Determine application	2.1 Identify products and/or types of glass for the job and determine

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of glass and glazing standards	current product specifications from investigation of supply sources 2.2 Assess relevant glazing standards against job requirements 2.3 Identify influencing factors and determine their significance and impact on the end product 2.4 Identify the need for any specialist assistance and seek advice in accordance with workplace procedures 2.5 Maintain communication with clients, building professionals and other workers to ensure all work is carried out to comply with glass and glazing standards 2.6 Develop optimal solution for completion of the work and confirm against all applicable standards
3. Develop documentation	3.1 Convert solution into accurate and detailed documentation in accordance with workplace procedures 3.2 Identify and develop documentation required by external personnel based on the scope of the project 3.3 Distribute documentation to internal and external personnel within required timeframes

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 MSFGG4001 Apply standards and codes of practice for the glass industry.

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 MSFGG4009 Apply standards and codes of practice for the glass industry

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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:

- assessed requirements and developed documentation that complies with Australian Standards (AS) for jobs that individually or cumulatively involve glass and glazing for:
 - stairways
 - balustrading
 - sloped or overhead glass
 - 5-star rated buildings
 - fire-rate applications
 - curtain walls and/or facades
 - partitions.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- scope and nature of workplace documentation that informs evaluation of work requirements:
 - specialist technical specifications
 - client brief
 - location of work
- key aspects of:
 - AS 1288: sections 6, 7 and 9
 - AS/NZS 2208: all sections
 - AS/NZS 1170: all sections
 - AS/NZS 4667: all sections
 - AS/NZS 4668: all sections
 - National Construction Code (NCC) references to windows and doors in buildings
- workplace safety system requirements related to the handling and installation of glass and glazing products that impact specification development
- types, characteristics uses and limitations of different glass, including issues related to:
 - aspect ratios

- energy efficiency
- installation methods
- thermals
- tolerances
- wind loadings
- current and emerging trends and developments in glass and glazing, including:
 - products
 - techniques and/or applications
- sources of specialist glass and glazing technical advice
- workplace procedures for development of specifications, including:
 - format
 - required inclusions
 - technical drawings
 - document control
- range of people or parties potentially involved in glass and glazing work and typical interactions required:
 - architects
 - builders
 - customer
 - engineers
 - internal staff
 - product developers and/or suppliers
 - logistics personnel
- communication protocols for the approval and dissemination of work specifications and other information to external parties.
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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:
 - details of glass and glazing work requirements as specified in the Performance Evidence
 - AS/NZS documentation as detailed in the Knowledge Evidence
 - product information
 - workplace procedures.

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

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