



Australian Government

MSFGG3026 Laminate glass

Release: 1

MSFGG3026 Laminate glass

Modification History

Release 1. Supersedes and is equivalent to MSFGG3010 Set up and operate glass laminating equipment.

Application

This unit describes the skills and knowledge required to set up, operate, monitor and maintain glass laminating equipment.

This unit applies to glass processing workers producing laminated glass in accordance with pre-determined 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. Prepare for work	1.1 Read work instructions and identify work and quality requirements 1.2 Identify and follow work health and safety requirements, using all required personal protective equipment 1.3 Identify quality procedures for each stage of the process 1.4 Plan work sequence in a logical order to suit the job and workplace procedures 1.5 Establish and maintain communication with others involved with the work to ensure efficient work flow coordination, personnel cooperation and safety
2. Set up equipment	2.1 Complete pre-operational equipment checks in accordance with workplace procedures 2.2 Confirm machine operation through quality checks on first

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	production of finished items 2.3 Make adjustments to settings and parameters based on initial quality checks.
3. Conduct glass laminating operations	3.1 Prepare glass to be laminated for the process in accordance with workplace procedures or industry practice 3.2 Complete startup and shutdown procedures for equipment in accordance with manufacturer instructions or workplace procedures 3.3 Conduct glass delivery and washing procedures in accordance with manufacturer instructions or workplace procedures 3.4 Monitor white room conditions and conduct procedures in accordance with manufacturer instructions or workplace procedures 3.5 Operate white room hoist in accordance with manufacturer instructions or workplace procedures 3.6 Accurately apply interlayer in accordance with work instructions 3.7 Operate pre-press oven and glass stacker in accordance with manufacturer instructions or workplace procedures and accurately document required information 3.8 Operate air lifter in accordance with manufacturer instructions or workplace procedures 3.9 Load, operate and unload autoclave in accordance with manufacturer instructions or workplace procedures
4. Complete work and maintain equipment	4.1 Inspect completed product for compliance with quality and work order requirements and reprocess or discard in accordance with workplace procedures 4.2 Test, classify and mark laminated glass in accordance with Australian Standards, and store in designated holding area 4.3 Clean work area and safely dispose of rubbish in accordance with workplace procedures 4.4 Inspect, maintain and tag equipment in accordance with workplace procedures 4.5 Remove and store tools, equipment and unused materials in accordance with workplace procedures 4.6 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 MSFGG3010 Set up and operate glass laminating equipment.

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 MSFGG3026 Laminate glass

Modification History

Release 1. Supersedes and is equivalent to MSFGG3010 Set up and operate glass laminating equipment.

Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and:

- completed the laminating process using 3 different glass types and interlayer thicknesses.
-

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- purpose and key provisions of Australian Standard AS/NZS 2208 – testing requirements
- workplace safety system requirements related to the operation of glass laminating equipment
- work flow requirements relating to the operation of glass laminating equipment, including how the process fits into the overall glass processing system
- the role and importance of communication with others in relation to quality and safety
- mathematical procedures for effective equipment operation and fault investigation
- common items found in work instructions for glass laminating, including:
 - material to be used
 - number of sheets to be laminated and holding area for completed items
 - process required to complete work tasks
 - type, thickness and colour of the interlayer
 - correct machine heat and pressure settings for the materials being used
- qualities, characteristics and uses of different types of laminated glass, including:
 - annealed float glass
 - automotive glass
 - bullet and bandit resistant glass
 - heat-strengthened glass
 - insulated glass
 - patterned laminated glass
 - safety glass
 - toughened glass
- glass and window rating systems for:
 - fade control
 - noise

- security applications
- characteristics of materials used, and uses of products produced in the glass laminating process
- types, characteristics, safe use, maintenance and limitations of glass laminating equipment:
 - autoclave
 - washing machines
 - hoist
 - pre-press oven
 - standards stamping equipment, including stamp
 - vacuum lifter
 - white room
- procedures for each step of the lamination process, the types of problems that may occur and how to avoid and respond
- quality indicators for laminated glass
- procedures for the recording, reporting and maintenance of workplace records and information.
-

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
 - glass product to be laminated
 - safety and personal protective equipment
 - work orders
 - workplace procedures.
 - Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>