



Australian Government

MSFDG3002 Prepare and install architectural engineered leadlight and stained glass

Release: 1

MSFDG3002 Prepare and install architectural engineered leadlight and stained glass

Modification History

Release 1. Supersedes and is equivalent to MSFSL3004 Prepare and install architectural engineered leadlight and stained glass.

Application

This unit describes the skills and knowledge required to prepare and install leadlight and stained glass in structural and other architecturally engineered applications.

This unit applies to individuals working with designed glass.

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

Leadlight and Stained Glass

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 and follow work health and safety, legislative and organisational requirements 1.2 Identify, confirm and clarify work requirements with appropriate personnel 1.3 Identify the process for preparing and installing architecturally engineered leadlight and stained glass
2. Prepare for installation	2.1 Determine work sequence in a logical order to suit the job 2.2 Select and check tools, equipment and materials 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>
	2.3 Check components of the leadlight and stained glass against specifications or job order 2.4 Select leadlight and stained glass fixing method 2.5 Prepare frame or opening to receive leadlight and stained glass using appropriate techniques 2.6 Accurately measure and prepare fixing and sealing materials following manufacturer recommendations
3. Identify site conditions and constraints	3.1 Recognise site safety hazards and take corrective action to reduce risk of injury to self and others 3.2 Identify and address on-site difficulties in accordance with regulations and enterprise agreements 3.3 Identify special characteristics of the leadlight and stained glass aperture in relation to the effect of the fitting process on the finished job 3.4 Apply covering material to protect existing fixtures and fittings in accordance with workplace procedures
4. Fit leadlight and stained glass	4.1 Fix leadlight and stained glass to the frame or opening using the selected method 4.2 Apply solvents and sealants in accordance with manufacturer instructions 4.3 Clean leadlight and stained glass and/or frame after fixing using appropriate cleaning agents
5. Finalise the installation	5.1 Check completed installation to ensure compliance 5.2 Check completed installation for compliance with customer requirements and specifications 5.3 Clean and store tools, equipment and materials in accordance with workplace procedures 5.4 Clean work area and leave in a safe condition and dispose of or recycle waste in accordance with workplace protocols 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

Supersedes and is equivalent to MSFSL3004 Prepare and install architectural engineered leadlight and stained glass.

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 MSFDG3002 Prepare and install architectural engineered leadlight and stained glass

Modification History

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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:

- constructed 3 different leadlight panels which individually or cumulatively include geometric and organic shapes
- made repairs that individually or cumulatively include all of the following:
 - corner
 - edge
 - internal
 - complete re-lead
 - bench repair
 - in situ repair.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- state or territory work health and safety legislation, regulations, standards and codes of practice relevant to the full range of processes for leadlight and stained glass operations
- architectural leadlight and stained glass construction terminology and techniques
- organisational and site standards, requirements, policies and procedures for preparation and installation of architectural leadlight and stained glass
- types of glass and other materials used in the leadlight and stained glass industry, their characteristics, properties, uses and limitations
- structural leadlight and stained glass, their properties, uses and limitations
- types, characteristics, safe use, maintenance and limitations of tools, equipment and materials
- environmental protection requirements relating to the disposal of waste material
- problem identification and resolution
- storage systems and labelling
- procedures for the recording, reporting and maintenance of workplace records and information
- mathematical procedures for estimation and measurement.
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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:
- stained glass and leadlight for installation
 - tools and equipment to complete tasks in the Performance Evidence
 - customer and/or work requirements
 - workplace procedures.

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

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