



**Australian Government**

# **MSFSL3006 Assemble copper foil glass components**

**Release: 1**

# MSFSL3006 Assemble copper foil glass components

## Modification History

Release 1. New unit

## Application

This unit specifies the skills and knowledge required to assemble copper foil components using a range of fixing and joining components.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

## Pre-requisite Unit

Nil

## Competency Field

## Unit Sector

Leadlight and stained glass

## Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

- |   |                            |     |                                                                                                   |
|---|----------------------------|-----|---------------------------------------------------------------------------------------------------|
| 1 | Determine job requirements | 1.1 | Follow standard operating procedures (SOPs)                                                       |
|   |                            | 1.2 | Comply with work health and safety (WHS) requirements at all times                                |
|   |                            | 1.3 | Use appropriate personal protective equipment (PPE) in accordance with SOPs                       |
|   |                            | 1.4 | Identify job requirements from specifications, drawings, designs, job sheets or work instructions |

- |   |                                        |     |                                                                                                                                        |
|---|----------------------------------------|-----|----------------------------------------------------------------------------------------------------------------------------------------|
| 2 | Plan and prepare for work              | 2.1 | Carry out service on selected tools and equipment, including identifying/rectifying or reporting any faults prior to commencement      |
|   |                                        | 2.2 | Identify and obtain materials appropriate to the work application ensuring they are prepared, safely handled and located ready for use |
|   |                                        | 2.3 | Identify and apply environmental workplace considerations and measures to reduce noise, dust and obstacles                             |
|   |                                        | 2.4 | Plan assembly sequence                                                                                                                 |
|   |                                        | 2.5 | Select fixing and joining devices in accordance with types of materials to be joined and work instructions                             |
|   |                                        | 2.6 | Select and check jigs for suitability of purpose                                                                                       |
| 3 | Assemble components                    | 3.1 | Lay out and assemble components using jigs and appropriate fastenings                                                                  |
|   |                                        | 3.2 | Use hand and power tools as required                                                                                                   |
|   |                                        | 3.3 | Check assembled work for compliance with specifications                                                                                |
|   |                                        | 3.4 | Prepare, assemble and fit components in accordance with specifications                                                                 |
|   |                                        | 3.5 | Repair or tag work which does not meet quality specifications for further processing or recycling/disposal                             |
|   |                                        | 3.6 | Organise and store finished products in holding area                                                                                   |
| 4 | Check work area and maintain equipment | 4.1 | Tag and report faulty and/or defective equipment in accordance with workplace procedures                                               |
|   |                                        | 4.2 | Remove waste and scrap material for disposal and/or recycling as required                                                              |
|   |                                        | 4.3 | Clean, check and maintain tools and equipment in accordance with manufacturers' recommendations and SOPs                               |

#### 4.4 Maintain work area in accordance with SOPs

### **Foundation Skills**

This section describes those required skills (reading, writing, oral communication and numeracy) that are essential to workplace performance in this unit of competency.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

**Unit context includes:**

- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes and local safe operating procedures or equivalent
- work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- work requires individuals to demonstrate some discretion, judgement and problem solving

**Components include one (1) or more of the following:**

- panels and components thereof
- three-dimensional objects, lamps and sculptures
- repair process

**Tools and equipment include one (1) or more of the following:**

- benches
- light boxes
- glass grinders
- lead knives
- foil dispensers
- lathekins
- farrier nails
- glass cutters
- grozing and small running pliers
- soldering irons and bits
- reinforcement materials
- cleaning and polishing brushes
- pickers

**Materials include one (1) or more of the following:**

- coloured/plain glass
- patterns/templates
- patinas
- ornamental fittings
- copper foil
- solders and fluxes

**PPE includes one (1) or more of the following:**

That prescribed under legislation, regulations and enterprise policies and practices, including:

- industry standard PPE for manual handling glass
- safety glasses
- respirator masks, ventilation or extraction systems for soldering
- safety footwear
- work wear

**Information and procedures include one (1) or more of the following:**

- workplace procedures relating to the use and operation of tools and equipment and PPE
- workplace instructions, including job sheets, cutting lists, plans, drawings and designs
- workplace procedures relating to reporting and communications
- manufacturer specifications and operational procedures

## Unit Mapping Information

New Unit

## Links

Companion Volume implementation guides are found in VETNet -

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