



Australian Government

MSFPPF4002 Determine and apply gilding techniques

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers determining the requirements, preparing for and applying gilding techniques to new picture frames and those requiring repair or restoration.

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

Pre-requisite Unit

Competency Field

Unit Sector

Picture Framing

Elements and Performance Criteria

Elements describe the essential outcomes.

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

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| 1 | Prepare for work | 1.1 | Work to be completed is identified from work instruction, customer request or artwork is assessed as requiring a gilded frame |
| | | 1.2 | Frame requiring gilding is examined to identify whether new gilding, preservation or restoration techniques are required |
| | | 1.3 | Gilding technique or techniques to be applied is determined |
| | | 1.4 | Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work |
| | | 1.5 | Tools, equipment and materials are selected and checked prior to use to ensure that they are appropriate for the finishing task in terms of quality, serviceability and safety |

- 1.6 Gilding materials and any associated finishes required are identified and assembled for the gilding task
 - 1.7 Work sequence is planned to suit the job
 - 2 Prepare for gilding
 - 2.1 Frame surfaces are checked for contamination and correct preparation including maintenance of original finishes on historic pieces that require the removal of over painting according to workplace procedures and standards
 - 2.2 Frames with surface or other faults are identified and faults reported or repaired as appropriate
 - 2.3 Techniques for application of materials identified and used according to industry standards and workplace practices
 - 2.4 Faults are identified and workplace procedures for rectification are followed
 - 2.5 Composition work is completed, as required, to meet specifications in accordance with workplace procedures
 - 3 Apply gilding
 - 3.1 Gilding is applied according to job instructions and workplace procedures
 - 3.2 Final finish is checked in accordance with workplace requirements
 - 3.3 Rectification of surface faults are made as required
 - 3.4 Ornamentation is applied, as required, in accordance with job instructions and workplace procedures
 - 3.5 Products are inspected and approved for suitability for further processing with defective frames being handled in accordance with workplace procedures
 - 4 Complete work
 - 4.1 Tools and equipment are cleaned and inspected for serviceable condition and stored appropriately
 - 4.2 Unused material is returned to store in accordance with workplace procedures
 - 4.3 Work area is cleaned and returned to approved condition
 - 4.4 Workplace documentation is completed

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies 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. Range is restricted to essential operating conditions and any other variables essential to the work environment.

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

Gilding techniques involve:

- the application of metallic leaf to picture frames which may be new work or existing frame (for either restoration/preservation needs)
- leaf includes:
 - gold
 - silver
 - platinum in varying alloys
 - shlagmetal (brass) in varying alloys
 - copper
 - aluminium

Techniques for application include:

- oil
- size
- quick size (acrylic)
- water gilding based on the reactivation of the glue in the bole layer
- new techniques, such as Kolnar gilding

Composition work involves:

- concern for the ornamentation of frames for gilding involving:
 - its manufacture
 - taking of moulds from existing frames
 - repair of broken/missing ornamentation

Gilding includes:

- silver gilt
- distemper
- japanning
- bronze
- aluminium and other powders (as in wax and flash gilding)

- use of aniline dyes and pigments and casein and verre eglomise (gilding and black lacquer on glass)
 - patination of finishes:
 - chemical
 - stained
 - painted
 - varnished
 - distempered
- Frames include:**
- new
 - old
 - requiring repair and/or restoration
- Tools and equipment include:**
- gilder's cushion
 - gilder's knife
 - gilder's tip
 - brushes
 - agate burnishing stones
- Materials include:**
- size (parchment or rabbit skin)
 - whiting (chalk)
 - bole (wet or dry)
 - ethanol and brandy
 - gilding oil
 - gold leaf
 - shlagmetal (Dutchmetal)
 - alloy and aluminium leaf
 - glue
 - rosin
 - turpentine
 - shellac
 - varnish colours and chemicals for patination, such as potassium sulphide
- Instructions and workplace procedures include:**
- choice of substrate
 - surface preparation
 - selection of bole or poliment
 - selection and application of size
 - selection and application of leaf, patination and sealing of leaf
- Personal protective equipment includes:**
- that prescribed under legislation, regulations and enterprise policies, and as many of the materials used in gilding are toxic, gloves, eye protection and protective clothing should be worn
- Information and**
- workplace procedures relating to the use of tools and equipment

- procedures include:**
- work instructions, including job sheets, cutting lists, plans, drawings and designs
 - workplace procedures relating to reporting and communication
 - manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFPF4002B Determine and apply gilding techniques.

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>