



Australian Government

MSFFDT4001 Apply finishing techniques to custom furniture

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers applying finishing techniques to custom furniture involving application of skills and knowledge at a highly skilled craftsman or artisan level.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furniture design and technology

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Plan and prepare for work	1.1	Applicable legislative, work health and safety (WHS), and organisational requirements relevant to finishing custom furniture are verified and complied with
		1.2	Instructions, plans and design briefs are read and interpreted to identify processes and materials to complete work tasks
		1.3	Tools, equipment and materials are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition
		1.4	Quality checking procedures are developed and documented for each step in the finishing process
2	Select appropriate finish technology	2.1	Design brief and furniture material, style and purpose are appraised to identify finishing technique options
		2.2	Using samples of the type of material surface and specified finish, various finishing options are evaluated

- and the preferred option is selected
- 2.3 Specifications for type of finishing material to be applied are identified to determine means of application
 - 2.4 Method of applying finishes to surfaces is identified and evaluated
 - 2.5 Sample of material is tested with selected finishing technique to ensure appropriateness
- 3 Finish furniture surface
 - 3.1 Furniture surface is prepared in accordance with the finishing specification
 - 3.2 Imperfections, pores, nail or screw holes on the surface are rectified
 - 3.3 Finishing processes and materials are applied in accordance with the agreed specifications
 - 3.4 Surface is polished or buffed depending on the shine required
 - 3.5 Work is checked against required quality standards
 - 3.6 Any non-conformity with the required quality standards is rectified
 - 4 Complete housekeeping
 - 4.1 Unused materials are stored or recycled as required
 - 4.2 Tools and equipment are cleaned and stored appropriately
 - 4.3 Faulty and defective equipment is tagged and reported in accordance with workplace practices
 - 4.4 Work area is cleaned and rubbish disposed of appropriately
 - 4.5 Workplace documentation and/or reports are 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 conceptual and analytical ability, discretion, judgement and problem solving
- Finishing custom furniture includes:**
- preparation technique used on the furniture surface
 - the processes of selection, evaluation and application of any materials to the surface
 - the process of polishing
 - other final finishing processes
- Tools and equipment include:**
- power and hand sanders
 - brushes
 - steel wool
 - scrapers
 - rags
 - rubbing pads
 - spray guns
 - rottenstone
 - pumice
 - other polishing and rubbing compounds
- Materials include:**
- timber (both indigenous and overseas)
 - adhesives and fasteners
 - shellac

- lacquer
 - polyurethane
 - oil finishes
 - stains
 - oxides
 - bleaching compounds
 - ammonia
 - filling compounds
 - sanding by hand or power sander
 - scraping
 - planing
 - other smoothing techniques
 - and is to take account of the fact that the colour of the wood may be changed by:
 - staining
 - bleaching
 - painting
 - ammonia
 - fuming
 - other techniques
- Furniture surface preparation includes:**
- using wood putty, wood plugs or other fillers
- Surface filling includes:**
- waxing
 - shellacking
 - nitrocellulose lacquering
 - conversion lacquering
 - linseed oiling
 - tung oiling
 - alkyd varnishing
 - polyurethane varnishing
 - water-based polyurethane and/or oil-varnish mixes
- Finishing processes and materials include:**
- that prescribed under legislation, regulations and enterprise policies and practices
- Personal protective equipment includes:**
- work procedures/instructions
 - manufacturer specifications and instructions
 - standard forms of workplace process and procedures
 - organisation work specifications and requirements
 - legislation, regulations and codes of practice
 - quality and Australian Standards and procedures
- Information and procedures include:**

Unit Mapping Information

Supersedes and is equivalent to LMFFDT4001A Apply finishing techniques to custom furniture

Links

Companion Volume implementation guides are found in VETNet -

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