



Australian Government

Department of Education, Employment and Workplace Relations

LMFFF2004B Prepare surfaces for finishing

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the competency to prepare surfaces for the application of surface coatings by hand or machine.
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Application of the Unit

Application of the unit	
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units	Nil	

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

<p>Elements describe the essential outcomes of a unit of competency.</p>	<p>Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.</p>
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for surface preparation	1.1.Characteristics of the surface and the required surface coating materials are identified 1.2.OHS requirements, including personal protection needs, are observed throughout the work 1.3.Tools and equipment required, related engineering controls identified and set up 1.4.Sources of contamination in work area are identified and excluded 1.5.Workplace procedures for surface preparation are identified and followed according to the surface and surface coating materials being used
2. Prepare surfaces	2.1.Surfaces are prepared according to workplace procedures and specification 2.2.Surface preparation is checked for conformity with workplace specifications throughout the process 2.3.Rectification of surface preparation faults are made as required 2.4.Products are inspected and approved for suitability for further processing 2.5.Defects are rectified and/or reported in accordance with workplace procedures
3. Clean work area and maintain equipment	3.1.Prepared products are packed, stored and labelled ready for next process 3.2.Equipment used is cleaned and inspected for serviceable condition and stored appropriately 3.3.Unserviceable equipment is tagged, faults are identified and appropriate personnel are informed 3.4.Chemicals used are stored or disposed of correctly according to regulations 3.5.Work area is cleaned ready for next process or task

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- collect, organise and understand information related to work orders, basic plans, hazardous substances and materials and safety procedures
- communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- plan and organise activities, including the preparation and layout of the worksite and the obtaining of equipment and materials to avoid any backtracking, workflow interruptions or wastage
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise workflow and productivity
- use mathematical ideas and techniques to correctly complete measurements and estimate material requirements
- use pre-checking and inspection techniques to anticipate surface preparation problems, avoid re-working and wastage
- use the workplace technology related to the preparation of surfaces, including manual and pressure tools, equipment and measuring devices

Required knowledge

- the types, properties and characteristics of coatings
- surface preparation techniques and equipment/ materials
- hazardous substances and materials used in surface preparation
- workflow in relation to the application and removal of surface coatings

Evidence Guide

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Critical Aspects of Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Follow work instructions, operating procedures and inspection practices to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Prepare surfaces on a minimum of four occasions, including:
 - horizontal surface
 - vertical surface
 - internal surface
 - curved surface (moulding)
- Surfaces are to include:
 - solid hardwood
 - solid softwood
 - veneered board
- Work effectively with others
- Modify activities to cater for variations in workplace context and environment

Resource Implications

Range of surfaces to be prepared, preparation tools, equipment and consumables.

Method of Assessment

Assessment methods must confirm consistency of performance over time and in a range of workplace relevant contexts.

Assessment should be by direct observation of tasks and questioning on underpinning knowledge.

Assessment should be conducted over time and may be in conjunction with assessment of other relevant units of competency.

EVIDENCE GUIDE**Context of Assessment**

Assessment may occur on the job or in a workplace simulated facility with relevant process equipment, materials, work instructions and deadlines.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the performance criteria, is detailed below. Essential operating conditions that may be present with training and assessment (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) may also be included.

Unit context

- OHS requirements include legislation, building codes, material safety management systems, hazardous substances and dangerous goods code and local safe operating procedures
- 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 skills in the preparation of surfaces

Surfaces

- Surfaces to be prepared may include but are not limited to:
- solid timber
 - manufactured board
 - metal

Tools and equipment are to include:

- measuring tapes and rulers
- squares
- hammer
- nail punch
- liquid containers
- brushes
- cabinet scrapers
- file
- oil stone
- steel wool/scourers
- sanding blocks
- steam iron
- chisels
- power sanders
- air compressor and hoses
- fixed belt/stroke sander

RANGE STATEMENT**Tools and equipment may also include:**

- plane
- spanners
- screwdrivers
- clamps
- drill
- mallet
- vice
- saw

Unit Sector(s)

Unit sector	Furniture Finishing
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Competency field

Competency field	
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Co-requisite units

Co-requisite units		