



Australian Government

Department of Education, Employment and Workplace Relations

LMFFF2008B Apply surface coatings by hand

Revision Number: 1

LMFFF2008B Apply surface coatings by hand

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the competency to apply brushable coatings, including one-pot polyurethane, enamels, acrylics and polish, by hand.
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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

Elements describe the essential outcomes of a unit of competency.	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.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for work	1.1. Workplace information, including materials application and safety information, material safety data sheets is used to inform work practices 1.2. Characteristics of the surface and the required surface finish are identified from work orders or instructions 1.3. Processing and application techniques, time and safety requirements are identified and used for work planning 1.4. OHS requirements, including ventilation requirements and personal protection needs, are observed throughout the work 1.5. Tools, equipment and accessories are identified and checked for safe and effective operation for the surface finishing task
2. Prepare for application of materials	2.1. Surfaces are checked for contamination and correct preparation according to workplace procedures and standards 2.2. Products with surface or other faults are identified and faults repaired as appropriate 2.3. Finishing materials required are identified and prepared for the task 2.4. Trial applications of surface materials are made to check equipment operation, materials consistency and specified surface finish 2.5. Faults are identified and workplace procedures for rectification are followed
3. Apply finishing materials	3.1. Techniques for hand application of materials are identified 3.2. Finishing materials are applied according to job instructions, material manufacturer specifications and workplace procedures 3.3. Finished products are inspected and approved for suitability for further processing 3.4. Products which do not meet quality specifications are refinished or tagged for further investigation
4. Clean work area and maintain equipment	4.1. Equipment used is cleaned and inspected for serviceable condition and stored appropriately 4.2. Unserviceable equipment is tagged, faults are identified and appropriate personnel are informed

ELEMENT	PERFORMANCE CRITERIA
	4.3. Work area is cleaned and returned to approved condition 4.4. Workplace records are completed

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 coating materials, cleaning materials, work orders 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 coating equipment and materials to avoid any back tracking, 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, calculate area, estimate paint requirements and other material requirements
- use pre-checking and inspection techniques to anticipate coating problems, avoid reworking and avoid wastage
- use the limited workplace technology related to coating, including tools, equipment and measuring devices

Required knowledge

- identification of hand application techniques
- characteristics of coatings, waxes and oils in terms of toxicity, reactivity, flammability, required viscosity.
- the methods to prevent contamination of surfaces during and after finishing
- workflow in relation to the application of finishing material

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 and others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Prepare for and apply coatings by hand on a minimum of five occasions covering:
 - the three surface types
 - the four coatings detailed in the Range Statement
- Maintain application equipment
- Work effectively with others
- Modify activities to cater for variations in workplace contexts and environment

Resource Implications

Hand finishing application equipment, coating materials, waxes and oils and surfaces to be coated.

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 may be in conjunction with assessment of other relevant units of competency.

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 may include legislation, building codes, material safety management systems, hazardous substance and dangerous goods codes 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 discretion, judgement and problem solving skills in the application of surface coatings
Coatings are to include:	- one-pot polyurethane - enamel - acrylic and polish
Application methods are to include:	brush and swooge
Surfaces may include but are not limited to:	- solid timber - manufactured board - metal
Tools and equipment may include, but are not limited to:	- sanders - pneumatic or low-voltage electric buff - rubber sanding block - brushes and swooges
Materials may include but are not limited to:	- water - detergent - wax - oil - enamel - acrylic - one-pot polyurethane - polish

RANGE STATEMENT	
	• methylated spirits • turpentine • terebine • abrasive papers • cotton rags • steel wool
Personal protective equipment	Personal protective equipment is to include that prescribed under legislation, regulations and enterprise policies and practices
Information and procedures	• Workplace procedures relating to the use and operation of tools and equipment • Workplace instructions, including job sheets, plans, drawings and designs • Workplace procedures relating to reporting and communications • Manufacturer specifications and operational procedures

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		

