



Australian Government

Department of Education, Employment and Workplace Relations

LMFFF3006B Repair and touch up surfaces

Revision Number: 1

LMFFF3006B Repair and touch up surfaces

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the competency to apply techniques to repair and touch up damaged surfaces.
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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 coating 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 coating task
2. Repair surfaces	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 assessed 2.3. Materials required for repair are selected and prepared 2.4. Repairs are completed to manufacturers' standards and/or industry practices
3. Prepare for application of materials	3.1. Techniques for hand application of materials are identified and selected 3.2. Coating materials required are identified and prepared for the surface coating task 3.3. Trial applications of surface materials are made to check equipment operation, materials consistency and specified surface finish 3.4. Faults are identified and workplace procedures for rectification are followed
4. Apply surface coating	4.1. Surface coatings are applied according to job instructions, material manufacturers' specifications and workplace procedures 4.2. Coated products are inspected and approved for suitability for further processing 4.3. Products which do not meet quality specifications are recoated or tagged for further investigation

ELEMENT	PERFORMANCE CRITERIA
5. Clean work area and maintain equipment	5.1. Equipment used is cleaned and inspected for serviceable condition and stored appropriately 5.2. Unserviceable equipment is tagged, faults are identified and appropriate personnel are informed 5.3. Work area, including painting locations, is cleaned and returned to approved condition 5.4. 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, work flow 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 estimate material requirements
- use pre-checking and inspection techniques to anticipate coating problems, avoid re-working and wastage
- use the limited workplace technology related to coating including tools, equipment and measuring devices

Required knowledge

- repair and touch up techniques
- decontamination materials, techniques and safety requirements
- identification of application techniques
- characteristics of coatings and base materials in terms of toxicity, reactivity, flammability, required viscosity and re-coatability
- the methods to prevent contamination of surfaces during and after surface coating
- workflow in relation to the application 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 and others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Repair and finish a minimum of four damaged surfaces, including:
 - a strip off and re-finish
 - two touch ups involving different repair techniques
- with only one being a metal surface
- Maintain application equipment
- Work effectively with others
- Modify activities to cater for variations in workplace contexts and environment

Resource Implications

Surface coating application equipment, coatings, other consumables, and materials to be repaired.

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 will generally 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 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 application of surface coatings

Techniques are to include:

- decontamination and repair
- stripping
- wash off
- stoppings
- (epoxy
- button lac
- water putty
- wax)
- plugs and refinishing

Surface faults may include:

- machine marks
- bruising
- pencil marks
- grease
- cross-sanding marks
- scratches
- glue marks
- dirt marks
- insect and termite holes
- holes
- knots
- blisters

RANGE STATEMENT	
	• rubber marks • burns or tears • ropiness and foreign matter in the polish
Surfaces may include but are not limited to:	• solid timber • manufactured board • metal
Tools and equipment may include, but are not limited to:	• brushes • rollers • soup rubbers • paint trays • power agitators • sanders • liquid containers • scrapers • quirk sticks • sandpapers • cotton rags • hessian • steel wool • sandpaper • abrasive papers
Materials to be applied may include but are not limited to:	• lacquers • paints • acrylics • enamels • one-pot polyurethane • methylated spirits • pigments • spirit colours
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 instructions for the use of equipment and materials

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		