



Australian Government

MSFFF2003 Remove surface coatings

Release: 1

MSFFF2003 Remove surface coatings

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers safely removing surface coatings by hand or chemical means in preparation for the application of new surface coatings.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furniture finishing

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Prepare for surface coating removal	1.1	Materials safety data sheets (MSDS) and/or product application and safety information are read and used to inform work practices
		1.2	Work health and safety (WHS) requirements, including ventilation requirements and personal protection needs, are observed throughout the work
		1.3	Surface coating is tested to identify the type of material and methods required to remove the coating
		1.4	Tools, equipment and materials suitable for the removal tasks are selected and checked for safe operation/application
		1.5	Accessories and consumables are identified for the removal tasks
2	Remove surface	2.1	Sequence of work is identified for the removal operation, including the efficient and effective use of

coatings		chemicals to be used	
		2.2	Equipment, chemicals and abrasives are used within manufacturer specifications and workplace procedures
		2.3	Surface coating is removed according to workplace procedures and specifications
		2.4	Surfaces are inspected to ensure removal of surface coating is to workplace standard
		2.5	Defects found after removal of surface coating are dealt with and/or reported in accordance with workplace procedures
3	Clean work area and maintain equipment	3.1	Item is stored and labelled ready for next process
		3.2	Equipment 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 and other materials are stored or disposed of correctly according to regulations
		3.5	Work area is cleaned ready for next process or task

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 in the removal of surface coatings
Coated surfaces include:	• solid timber • manufactured board • metal
Tools and equipment include:	• liquid containers • brushes • scrapers • scrubbing brush • steel wool • sanding blocks • heat guns • high-pressure water cleaners • dipping tanks • stainless steel stripping bench • iron • plane • chisels • power sanders • air compressor and hoses
Materials include:	• caustic soda • thinners • turpentine • methylated spirits • gun wash • gel stripper • putties • hot water • glues • abrasive paper
Coating removal methods include:	• sanding and scrubbing • chemical stripping and dipping • heat application and hand scraping • high pressure water application
Personal protective	• that prescribed under legislation, regulations and enterprise

equipment includes: policies and practices

**Information and
procedures include:**

- workplace procedures relating to the use of tools and equipment
- 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 LMFFF2003B Remove surface coatings

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSFFF2003 Remove surface coatings

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Performance 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
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Remove surface coating from timber and metal surfaces and apply appropriate techniques to remove coatings from flat, vertical, carved and curved surfaces, using a minimum of four (4) different removal techniques and materials
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Minimise wastage of resources, including materials, time and money
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Work flow in relation to the removal of surface coatings
- Types, properties and characteristics of coatings
- Coating removal techniques, materials, applications and limitations
- Material safety management systems

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification

- be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to a range of surfaces to be removed, removal methods, tools, equipment and consumables.

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