



**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                                                                                                                                                                                                                                                                                                                                                  |
|                                         | <ul style="list-style-type: none"><li>• work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements</li><li>• work requires individuals to demonstrate some discretion, judgement and problem solving in the removal of surface coatings</li></ul>                                         |
| <b>Coated surfaces include:</b>         | <ul style="list-style-type: none"><li>• solid timber</li><li>• manufactured board</li><li>• metal</li></ul>                                                                                                                                                                                                                                                                                                               |
| <b>Tools and equipment include:</b>     | <ul style="list-style-type: none"><li>• liquid containers</li><li>• brushes</li><li>• scrapers</li><li>• scrubbing brush</li><li>• steel wool</li><li>• sanding blocks</li><li>• heat guns</li><li>• high-pressure water cleaners</li><li>• dipping tanks</li><li>• stainless steel stripping bench</li><li>• iron</li><li>• plane</li><li>• chisels</li><li>• power sanders</li><li>• air compressor and hoses</li></ul> |
| <b>Materials include:</b>               | <ul style="list-style-type: none"><li>• caustic soda</li><li>• thinners</li><li>• turpentine</li><li>• methylated spirits</li><li>• gun wash</li><li>• gel stripper</li><li>• putties</li><li>• hot water</li><li>• glues</li><li>• abrasive paper</li></ul>                                                                                                                                                              |
| <b>Coating removal methods include:</b> | <ul style="list-style-type: none"><li>• sanding and scrubbing</li><li>• chemical stripping and dipping</li><li>• heat application and hand scraping</li><li>• high pressure water application</li></ul>                                                                                                                                                                                                                   |
| <b>Personal protective</b>              | <ul style="list-style-type: none"><li>• that prescribed under legislation, regulations and enterprise</li></ul>                                                                                                                                                                                                                                                                                                           |

**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>