



Australian Government

MSFFL3042 Fine sand timber flooring

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers fine sanding of existing floors either after coarse sanding, or where only minor rectification of scratches or wear and tear has occurred, or between coats. It involves operating rotary sanding machines.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking flooring work. Access to construction sites requires certification of general induction training specified by the National Code of Practice for Induction for Construction Work (ASCC 2007).

Pre-requisite Unit

Competency Field

Unit Sector

Flooring technology

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Prepare for the work	1.1	Applicable work health and safety (WHS), legislative and organisational requirements relevant to fine sanding timber flooring are verified and complied with
		1.2	Instructions and/or plans are read and interpreted to identify process required to complete work tasks
		1.3	Timber flooring is inspected for contamination, moisture content and suitability for fine sanding operations, and any pre-sanding tasks are completed
		1.4	Timber flooring condition is assessed and the extent of fine sanding required to meet job specifications is

- confirmed
- 1.5 Tools, equipment and materials are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition
 - 1.6 The job site is isolated and/or encapsulated to contain dust fallout from sanding operation
 - 1.7 Sequence of work is planned, including the starting point, to ensure efficiency and quality of installation
- 2 Conduct finish sanding operations
- 2.1 Sanding equipment is set up in accordance with manufacturer instructions and operating procedures
 - 2.2 Emergency stops, gauges, guards and controls are identified and checked
 - 2.3 Equipment settings and adjustments are made and checked
 - 2.4 Sanding belts or papers are selected
 - 2.5 Trial runs are conducted to check machine operations and quality of finished work
 - 2.6 Sanding belts or papers are attached, routinely checked and changed as required
 - 2.7 Sanding is completed systematically and effectively within the minimum required timeframe
 - 2.8 Routine lubrication and adjustments to the equipment are completed as required
 - 2.9 Finished timber flooring is cleaned, inspected and any imperfections are rectified following workplace procedures
- 3 Conduct edge sanding operations
- 3.1 Edge sanding equipment is set up in accordance with manufacturer instructions and operating procedures
 - 3.2 Emergency stops, gauges, guards and controls are identified and checked
 - 3.3 Equipment settings and adjustments are made and checked
 - 3.4 Sanding papers are selected

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| | | 3.5 | Trial runs are conducted to check machine operations and quality of finished work |
| | | 3.6 | Sanding papers are attached, routinely checked and changed as required |
| | | 3.7 | Edge sanding is completed systematically and effectively within the minimum required timeframe |
| | | 3.8 | Routine lubrication and adjustments to the equipment are completed as required |
| | | 3.9 | Finished timber flooring is cleaned, inspected and any imperfections are rectified following workplace procedures |
| 4 | Conduct fine sanding operations | 4.1 | Fine sanding equipment is set up in accordance with manufacturer instructions and operating procedures |
| | | 4.2 | Emergency stops, gauges, guards and controls are identified and checked |
| | | 4.3 | Equipment settings and adjustments are made and checked |
| | | 4.4 | Sanding papers are selected |
| | | 4.5 | Trial runs are conducted to check machine operations and quality of finished work |
| | | 4.6 | Sanding papers are attached, routinely checked and changed as required |
| | | 4.7 | Fine sanding is completed systematically and effectively within the minimum required timeframe |
| | | 4.8 | Finished timber flooring is cleaned, inspected and any imperfections are rectified following workplace procedures |
| 5 | Complete housekeeping | 5.1 | Unused materials are stored or recycled as required |
| | | 5.2 | Tools and equipment are cleaned and stored appropriately |
| | | 5.3 | Work area is cleaned and rubbish disposed of appropriately |
| | | 5.4 | Workplace documentation is completed |

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.

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| Unit context includes: | <ul style="list-style-type: none">• 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 |
| Pre-sanding tasks include: | <ul style="list-style-type: none">• isolating and/or encapsulating the job site• nail punching• filling• scraping• sweeping• vacuuming• cleaning and removal of all foreign objects, such as nails, tacks and staples |
| Tools include: | <ul style="list-style-type: none">• hammers• scrapers• nail punches• brooms• vacuums |
| Materials include: | <ul style="list-style-type: none">• sanding belts• sanding paper• discs• oil and lubricants• cleaning materials |

- Finish sanding includes:** • split drum and belt floor sanding machines using 60–100 grit papers
- Sanding equipment includes:** • drum/belt sander
 - random orbital
 - rotary
 - a finishing machine
- Edge sanding includes:** • edge sanding machines both rotary and orbital using the full range of grit papers depending on the general floor sanding process
- Fine sanding includes:** • rotary and orbital floor sanding machines using 100–200 grit paper
- Personal protective equipment includes:** • that prescribed under legislation, regulations and enterprise 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 LMFFL3601A Fine sand timber flooring

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>