



Australian Government

MSFFL2015 Coarse sand timber flooring

Release: 1

MSFFL2015 Coarse sand timber flooring

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers coarse sanding of existing floors using a drum or belt driven sanding machine to grade the surface to remove cupping, ridges, high points or deep scratches usually involving three passes and the gradual overlapping of each run.

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.

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|---|----------------------|-----|---|
| 1 | Prepare for the work | 1.1 | Applicable work health and safety (WHS), legislative and organisational requirements relevant to coarse sanding of 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 checked for contamination and moisture content |
| | | 1.4 | Timber flooring condition is assessed and the extent of floor preparation required to meet job specifications is confirmed |

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| | | 1.5 | Timber flooring is inspected for suitability for sanding operations and any pre-sanding tasks are completed |
| | | 1.6 | Mechanical fixings are removed avoiding damage to equipment and surfaces |
| | | 1.7 | 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 |
| | | 1.8 | Sequence of work is planned, including the starting point, to ensure efficiency and quality of installation |
| 2 | Conduct coarse sanding operations | 2.1 | Coarse 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 | Trial runs are conducted to check machine operations and quality of finished work |
| | | 2.5 | Sanding belts or papers are attached, routinely checked and changed as required |
| | | 2.6 | Sanding is completed systematically and effectively within the minimum required timeframe |
| | | 2.7 | Routine lubrication and adjustments to the equipment are completed as required |
| | | 2.8 | Timber flooring is cleared and checked for further processing |
| 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 |
| | | 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	Complete housekeeping	4.1 Unused materials are stored or recycled as required
		4.2 Tools and equipment are cleaned and stored appropriately
		4.3 Work area is cleaned and rubbish disposed of appropriately
		4.4 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.

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 individual to demonstrate some discretion, judgement and problem solving
Coarse sanding of timber flooring includes:	• removal of mechanical fixings • punching of nails • sanding the timber flooring to grade the surface and removing cupping, ridges, high points or deep scratches
Mechanical fixings include:	• tacks • nails • staples • screws
Tools and equipment include:	• hammer • scrapers • punches • brooms • vacuums • leads • dust masks
Materials include:	• sanding belts • sanding paper • sanding discs • oil • lubricants
Coarse sanding equipment includes:	• split drum and belt floor sanders • edge sander • sanding discs using 24–60 grit papers
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 LMFFL2111A Coarse sand timber flooring

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 MSFFL2015 Coarse sand timber flooring

Modification History

Release 1 - New unit of competency

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
- Prepare a minimum of two (2) timber floors to specifications using coarse sanding methods
- 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
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- State or territory WHS legislation, regulations, standards and codes of practice relevant to coarse sanding timber flooring
- Organisational and site standards, requirements, policies and procedures for coarse sanding timber flooring
- Environmental protection requirements
- Established communication channels and protocols
- Relevant problem identification and resolution
- Types of tools and equipment and procedures for their safe use, operation and maintenance
- Characteristics of materials, products and defects
- Set-up and operation of equipment
- Products assembly techniques
- Procedures for the recording, reporting and maintenance of workplace records and information

- Appropriate mathematical procedures for estimation and measurement
- Characteristics and requirements of timber flooring coarse sanding
- Type, characteristics, uses and limitations of coarse sanding timber flooring
- Types and uses of relevant tools and equipment used to conduct coarse sanding operations
- Workplace safety system requirements related to coarse sanding timber flooring

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 materials, equipment and specifications relevant to coarse sanding timber floors.

Links

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