



Australian Government

Department of Education, Employment and Workplace Relations

LMFFL2111A Coarse sand timber flooring

Revision Number: 1

LMFFL2111A Coarse sand timber flooring

Modification History

Not applicable.

Unit Descriptor

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

Application of the unit	This unit supports the attainment of skills and knowledge required for competent workplace performance in the wide variety of flooring technology operations. The competency applies to an on site environment and involves application of skills and knowledge at a sub-trade worker level. These skills and knowledge are to be used within the scope of the individual's job and authority.
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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 the work	<p>1.1. Applicable <i>legislative, OHS</i> and <i>organisational</i> requirements relevant to <i>coarse sanding of timber flooring</i> are verified and complied with</p> <p>1.2. <i>Instructions</i> and/or plans are read and interpreted to identify process required to complete work tasks</p> <p>1.3. Timber flooring is checked for contamination and moisture content</p> <p>1.4. Timber flooring condition is assessed and the extent of floor preparation required to meet job specifications is confirmed</p> <p>1.5. Timber flooring is inspected for suitability for sanding operations and any pre-sanding tasks are completed</p> <p>1.6. <i>Mechanical fixings</i> are removed avoiding damage to equipment and surfaces</p> <p>1.7. <i>Tools, equipment</i> and <i>materials</i> are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition</p> <p>1.8. Sequence of work is planned, including the starting point, to ensure efficiency and quality of installation</p>
2. Conduct coarse sanding operations	<p>2.1. <i>Coarse sanding equipment</i> is set up in accordance with manufacturer instructions and operating procedures</p> <p>2.2. Emergency stops, gauges, guards and controls are identified and checked</p> <p>2.3. Equipment settings and adjustments are made and checked</p> <p>2.4. Trial runs are conducted to check machine operations and quality of finished work</p> <p>2.5. Sanding belts or papers are attached, routinely checked and changed as required</p> <p>2.6. Sanding is completed systematically and effectively within the minimum required timeframe</p> <p>2.7. Routine lubrication and adjustments to the equipment are completed as required</p> <p>2.8. Timber flooring is cleared and checked for further processing</p>
3. Edge sanding operations	<p>3.1. Edge sanding equipment is set up in accordance with manufacturer instructions and operating procedures</p>

ELEMENT	PERFORMANCE CRITERIA
	<p>3.2. Emergency stops, gauges, guards and controls are identified and checked</p> <p>3.3. Equipment settings and adjustments are made and checked</p> <p>3.4. Sanding papers are selected</p> <p>3.5. Trial runs are conducted to check machine operations and quality of finished work</p> <p>3.6. Sanding papers are attached, routinely checked and changed as required</p> <p>3.7. Edge sanding is completed systematically and effectively within the minimum required timeframe</p> <p>3.8. Routine lubrication and adjustments to the equipment are completed as required</p> <p>3.9. Finished timber flooring is cleaned, inspected and any imperfections are rectified following workplace procedures</p>
4. Complete housekeeping	<p>4.1. Unused materials are stored or recycled as required</p> <p>4.2. Tools and equipment are cleaned and stored appropriately</p> <p>4.3. Work area is cleaned and rubbish disposed of appropriately</p> <p>4.4. Workplace documentation is completed</p>

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 work orders, basic plans 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
- work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity
- use pre-checking and inspection techniques to anticipate problems to coarse sanding of timber floors to avoid re-work and wastage
- recognise and respond to circumstances outside instructions or personal competence
- plan and organise activities including the preparation and layout of the worksite and the obtaining of equipment and materials to avoid any back tracking, work flow interruptions or wastage
- use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate other material requirements
- clarify and confirm work instructions
- plan work within given task parameters
- accept responsibility for given tasks
- set, monitor and satisfy personal work goals
- satisfy the competency requirements for the job
- maintain current knowledge of:
 - tools and materials
 - installation techniques
- Seek learning opportunities
- Use the limited workplace technology related to the coarse sanding of timber floors including tools, equipment, calculators and measuring devices.

Required knowledge

- State or Territory OHS legislation, regulations, standards and codes of practice relevant to coarse sand timber flooring
- organisational and site standards, requirements, policies and procedures for coarse sanding of timber flooring
- environmental protection requirements
- established communication channels and protocols
- problem identification and resolution
- types of tools and equipment and procedures for their safe use, operation and

REQUIRED SKILLS AND KNOWLEDGE

- 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

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 for assessment and evidence required to demonstrate competency in this unit

- Comply with legislation, regulations, standards, codes of practice and established safe practices and procedures for coarse sanding timber floors
- Interpret work order and locate 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:
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
 - minimise the risk of injury to self and others
- Complete a minimum of two timber flooring preparations requiring coarse sanding
- Work effectively with others
- Modify activities to cater for variations in workplace context and environment

Context of, and specific resources for assessment

- The application of competency is to be assessed in the workplace or realistically simulated workplace
- Assessment is to occur under standard and authorised work practices, safety requirements and environmental constraints
- Assessment of essential underpinning knowledge, other than confirmatory questions, will usually be conducted in an off-site context
- Assessment is to comply with relevant regulatory or Australian Standards requirements
- The following resources should be made available:
 - workplace location or simulated workplace
 - materials and equipment relevant to coarse sanding timber floors
 - specifications and work instructions

Method of assessment

Assessment must satisfy the endorsed assessment guidelines of the Furnishing Industry Training Package
Assessment methods must confirm consistency and

EVIDENCE GUIDE

accuracy of performance (over time and in a range of workplace relevant contexts) together with application of underpinning knowledge

Assessment methods must be by direct observation of tasks and include questioning on underpinning knowledge to ensure its correct interpretation and application

Assessment may be applied under project related conditions (real or simulated) and require evidence of process

Assessment must confirm a reasonable inference that competency is able not only to be satisfied under the particular circumstance, but is able to be transferred to other circumstances

Assessment may be in conjunction with assessment of other units of competency

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.

Legislative requirements	<ul style="list-style-type: none"> are to be in accordance with applicable legislation from all levels of government that affect organisational operation. Requirements may include but not be limited to award and enterprise agreements, industrial relations, Australian Standards, confidentiality and privacy, OHS, the environment, equal opportunity, anti-discrimination, relevant industry codes of practice, duty of care and heritage
OHS requirements	<ul style="list-style-type: none"> are to be in accordance with Commonwealth, State or Territory legislation and regulations, organisational safety policies and procedures. Requirements may include but not be limited to the use of personal protective equipment and clothing, fire fighting equipment, First Aid equipment, hazard and risk control and elimination, control of hazardous materials and substances, manual handling including lifting and carrying
Organisational requirements	<ul style="list-style-type: none"> may include but not be limited to legal, organisational and site guidelines, policies and procedures relating to own role and responsibility, quality assurance, procedural manuals, quality and continuous improvement processes and standards, OHS, emergency and evacuation, ethical standards, recording and reporting, access and equity principles and practices, equipment use, maintenance and storage, environmental management (waste disposal, recycling and re-use guidelines)
Coarse sanding of timber flooring	<ul style="list-style-type: none"> is to include removal of mechanical fixings, punching of nails, sanding the timber flooring to grade the surface and remove cupping, ridges, high points or deep scratches

RANGE STATEMENT	
Instructions	<ul style="list-style-type: none"> • Workplace procedures relating to the use and operation of tools and equipment • Workplace instructions, instructions, including job sheets, plans, drawings and designs • Workplace procedures relating to reporting and communications • Manufacturer instructions for the use of equipment and materials
Mechanical fixings	<ul style="list-style-type: none"> • are to include tacks, nails, staples and screws
Tools and equipment	<ul style="list-style-type: none"> • are to include hammer, scrapers, punches, brooms, vacuums, leads and dust masks
Materials	<ul style="list-style-type: none"> • are to include but are not limited to sanding belts, sanding paper, sanding discs, oil and lubricants
Coarse sanding equipment	<ul style="list-style-type: none"> • is to include split drum and belt floor sanders, edge sander, sanding discs using 24 - 60 grit papers, oil and lubricants

Unit Sector(s)

Unit sector	Flooring Technology
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Competency field

Competency field	Floor Preparation
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Co-requisite units

Co-requisite units	

