



Australian Government

MSFFL3030 Cut and install timber flooring materials to stairs

Release: 1

MSFFL3030 Cut and install timber flooring materials to stairs

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers installing timber flooring materials to stairs and steps.

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 materials for installation	1.1	Applicable work health and safety (WHS), legislative and organisational requirements relevant to installing timber flooring materials to stairs and steps 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	Floor condition is assessed for suitability for installation of timber flooring to stairs
		1.4	Stairway or steps are measured and the required amount flooring materials is calculated
		1.5	Suitable adhesives, trims and accessories are selected if required

		1.6	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
		1.7	Sequence of work is planned, including a starting point, to ensure efficiency and quality of installation
2	Set out materials for installation	2.1	Timber flooring to be installed is checked against work order
		2.2	Timber flooring is acclimatised according to manufacturer recommendations
		2.3	Materials for fixing is organised and used in accordance with relevant safety management requirements
		2.4	Working lines and starting point are established
3	Lay out flooring material	3.1	Instructions and sequence for laying and fixing are followed
		3.2	Materials are laid out to meet any design and specification requirements and minimise waste
		3.3	The aesthetics of the materials are maximised, including matching grains and colours
		3.4	Underlay, if required, is checked against specified type, manufacturer recommendations and fittings
		3.5	Any remedial work to stairway is carried out
4	Install flooring material	4.1	Flooring materials are cut following workplace procedures
		4.2	Underlay, if required, is installed following manufacturer recommendations
		4.3	Fixing methods and equipment are used following manufacturer recommendations
		4.4	Flooring materials are installed to specifications to the sub-floor following workplace procedures
		4.5	Finished stairway is checked for flaws in installation and materials and faults rectified
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.

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

Timber flooring materials include:

- parquetry
- floating floors
- strip timber floors (non-structural)

Stairs and steps include:

- open newel
- bullnose steps
- circular
- recessed steps
- open tread
- box steps
- kite winder treads

Tools and equipment include:

- hammer
- compressor
- staple gun
- bar scribe
- utility knife
- straight edge
- drill
- hand saw
- chisels
- drop saw
- nail gun
- planer
- circular saw
- combination saw

Materials include:

- parquet
- floating floor and strip flooring materials
- underlay
- adhesives
- nails
- trims
- nosing
- accessories

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 LMFFL3502A Cut and install timber flooring materials to stairs

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 MSFFL3030 Cut and install timber flooring materials to stairs

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
- Complete a minimum of three (3) types of the timber flooring material installation to stairs from the following different options:
 - floating
 - strip timber flooring
 - parquetry
- 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 the installation of timber flooring to stairs
- Organisational and site standards, requirements, policies and procedures for the installation of timber flooring to stairs
- 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
- Appropriate mathematical procedures for estimation and measurement
- Procedures for the recording, reporting and maintenance of workplace records and information
- Types, characteristics, uses and limitations of timber flooring materials
- Types and uses of timber flooring cutting and installation tools, equipment and materials
- Characteristics of timber and monolithic sub-floors
- Techniques for preparing sub-floors
- Techniques and requirements for conducting moisture testing
- Workplace safety system requirements relating to cutting and installing timber flooring materials
- Work flow in relation to the installing of timber flooring materials, including parquetry, floating floors and strip timber floors (non-structural)

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 the installation of timber flooring materials to stairs.

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