



Australian Government

MSFFL3031 Install direct stick timber flooring

Release: 1

MSFFL3031 Install direct stick timber flooring

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers directly sticking a pre-finished, engineered or direct stick timber floor within a space to a hard underlay base or sub-floor.

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 work	1.1	Applicable work health and safety (WHS), legislative and organisational requirements relevant to the installation of direct stick 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	Sub-floor condition is assessed for suitability for installation of direct stick timber flooring consistent with Australian Standards, industry standards and manufacturer recommendations
		1.4	Suitable underlays, adhesives, trims and accessories are selected as required

		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	Sequence of work is planned, including the starting point, to ensure efficiency and quality of installation
2	Set out materials for installation	2.1	Pre-finished, engineered or direct stick timber flooring are acclimatised according to manufacturer recommendations
		2.2	Pre-finished, engineered or direct stick timber flooring for fixing are organised and used in accordance with relevant safety management requirements
		2.3	Skirting boards or cover trims are removed or undercut, if required, and stored for re-fitting or sent for machining
		2.4	Adhesives and edge direct sticks are prepared for use as required
		2.5	Working lines and starting point are established
3	Cut flooring	3.1	Instructions and sequence for laying and fixing are followed
		3.2	Appropriate underlay is laid according to manufacturer recommendations
		3.3	Pre-finished, engineered or direct stick timber flooring are laid out to meet directional sequence, pattern match, specification requirements, and to minimise waste and joins as appropriate
		3.4	The aesthetics of the materials are maximised, where appropriate, matching grains and colours
		3.5	Pre-finished, engineered or direct stick timber flooring materials are accurately and clearly marked for cutting
		3.6	Timber battens are accurately and clearly marked for cutting
		3.7	Timber flooring is cut to length and size for final laying ensuring minimum waste
4	Lay flooring	4.1	Materials for fixing are organised and used in accordance with relevant safety management

		requirements
	4.2	Adhesives and edge direct sticks/accessories are prepared for use as required
	4.3	Fixing methods and equipment are used following manufacturer recommendations
	4.4	Appropriate field and perimeter expansion joints are allowed
	4.5	Skirting boards or cover trims are fitted/re-fitted and finished
	4.6	Finished job is 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.

- 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
Direct stick timber flooring includes:	• direct stick tongue and groove floating floors • manufactured engineered flooring used for indoor sporting applications
Adhesives include:	• polyvinyl alcohol (PVA) • epoxies • polyurethane elastomeric
Tools and equipment include:	• drop saw • jig saw • hand saw • undercut saw • plunge saw • hammer • bar scribe • utility knife • circular saw • bench saw • straight edge • cramps • staple gun • secret nailer • roller • flooring cramps • strap clamps • wall clamps • sanding machines (drum, belt and rotary) • edger
Materials include:	• flooring materials • underlay • edge direct sticks • tapes • adhesives • metal fixings
Personal protective equipment includes:	• that prescribed under legislation, regulations and enterprise policies and practices
Information and	• workplace procedures relating to the use of tools and equipment

procedures include:

- 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 LMFFL3503A Install direct stick 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 MSFFL3031 Install direct stick timber flooring

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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) of the following types of installation:
 - glue-together system
 - direct stick system
 - self-locking system
 - inserted plastic tongue system
- 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 installation of direct stick timber flooring
- Organisational and site standards, requirements, policies and procedures for the installation of direct stick timber flooring
- Environmental protection requirements
- Types, characteristics, uses and limitations of:
 - direct stick timber flooring installed
 - installation adhesives
- Types and uses of tools and equipment used during the installation of direct stick timber flooring

- Basic wood working techniques relevant to the installation of direct stick timber flooring installed
- Workplace safety system requirements relevant to the installation of direct stick timber flooring
- Work flow in relation to the laying of direct stick timber flooring operations
- Characteristics and requirements of sub-floor preparation
- Appropriate mathematical procedures for estimation and measurement
- Procedures for the recording, reporting and maintenance of workplace records and information

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 installing direct stick timber flooring.

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