



Australian Government

MSFFL3039 Install strip timber flooring onto plywood

Release: 1

MSFFL3039 Install strip timber flooring onto plywood

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers installing tongue and groove strip timber flooring onto plywood which may be over joists, concrete or a sub-floor to either raise a floor or correct the level of a 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 strip timber flooring onto plywood 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 strip timber flooring consistent with Australian Standards, industry standards and manufacturer recommendations
		1.4	Suitable moisture membrane, fixings, 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	Lay moisture membrane	2.1	Instructions and sequence for laying and fixing are followed
		2.2	Skirting boards or cover trims are removed or undercut, if required, and stored for re-fitting or sent for machining
		2.3	Moisture proof membrane is fixed following manufacturer recommendations and Australian Standards
3	Cut and fix plywood underlay	3.1	Timber flooring to be installed is checked against order
		3.2	Timber flooring is acclimatised according to manufacturer recommendations
		3.3	Area to be covered is measured, working lines and starting point are established
		3.4	Plywood underlay for fixing is organised and used in accordance with relevant safety management requirements
		3.5	Plywood underlay is accurately and clearly marked for cutting
		3.6	Plywood underlay is cut to length and size for final laying to provide appropriate size and shape ensuring minimum waste
		3.7	Fixings are prepared for use as required
		3.8	Plywood underlay is fixed using methods and equipment that follows manufacturer recommendations
4	Cut and fix timber flooring	4.1	Instructions and sequence for laying and fixing timber flooring are followed
		4.2	Work lines and starting point are established
		4.3	Timber flooring is laid out to meet directional sequence, pattern match, specification requirements, and to

			minimise waste and joins as appropriate
		4.4	The aesthetics of the materials are maximised, where appropriate, matching grains and colours
		4.5	Fixing methods and equipment are used following manufacturer recommendations
		4.6	Timber flooring is cut to length and size for final laying to provide appropriate size and shape ensuring minimum waste
5	Lay strip timber flooring	5.1	Materials for fixing are organised and used in accordance with relevant safety management requirements
		5.2	Fixing methods and equipment are used following manufacturer recommendations and Australian Standards
		5.3	Appropriate field and perimeter expansion joints are allowed
		5.4	Skirting boards or cover trims are fitted and finished
		5.5	Finished job is inspected and any imperfections are rectified following workplace procedures
6	Complete housekeeping	6.1	Unused materials are stored or recycled as required
		6.2	Tools and equipment are cleaned and stored appropriately
		6.3	Work area is cleaned and rubbish disposed of appropriately
		6.4	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 |
| Strip timber flooring onto plywood underlay includes: | <ul style="list-style-type: none">• tongue and groove strip timber flooring on plywood which may be over joists, concrete or a sub-floor to either raise a floor or correct the level of a floor |
| Adhesives include: | <ul style="list-style-type: none">• polyvinyl alcohol (PVA)• polyurethane• elastomeric |
| Tools and equipment include: | <ul style="list-style-type: none">• drop saw• jig saw• hand saw• undercut saw• hammer• circular saw• bench saw• straight edge• cramps• clamps• staple gun• secret nailer• bar scribe• utility knife |
| Materials include: | <ul style="list-style-type: none">• flooring materials• strip timber floor boards• plywood underlay• edge strips• timber and metal mouldings• tapes |

- adhesives
 - metal fixings
 - ventilated skirtings
- Plywood underlay includes:**
- timber plywood underlay manufactured under a JAS-ANZ accredited product certification scheme meeting the internationally recognised ISO Type system for product reliability to AS/NZS 2269.0:2012 Plywood - Structural - Specifications
- 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 not equivalent to MSFFL3085 Install battens or plywood in preparation for strip timber

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 MSFFL3039 Install strip timber flooring onto plywood

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 one (1) installation of strip timber flooring onto plywood underlay fixed to a concrete sub-floor
- 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 strip timber flooring onto plywood underlay
- Organisational and site standards, requirements, policies and procedures for the installation of strip timber flooring onto plywood underlay
- Type, characteristics, uses and limitations of:
 - strip timber flooring installed onto plywood underlay
 - installation adhesives
 - plywood underlay
- ISO Type 5 system for product reliability to AS/NZS 2269.0:2012 Plywood - Structural - Specifications
- Types and uses of tools and equipment used during the installation of strip timber flooring onto plywood underlay
- Basic wood working techniques relevant to the installation of timber strip flooring onto plywood underlay

- Workplace safety system requirements relevant to the installation of strip timber flooring onto plywood underlay
- Work flow in relation to the laying of strip timber flooring onto plywood underlay operations
- Characteristics and requirements of sub-floor preparation
- Environmental protection requirements
- 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 a realistic strip timber floor installation requirement, materials, equipment and specifications relevant to installing strip timber flooring onto plywood underlay.

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