



Australian Government

MSFFL2024 Install engineered timber flooring

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers floating or installing stick by stick an engineered timber floor within a space over a soft underlay, including preparation, cutting, laying and fixing. It applies to a variety of flooring technology installation operations in an on-site environment and involves application of skills and knowledge at the sub-trade worker level.

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 engineered timber flooring are verified and complied with
		1.2	WHS requirements, including personal protection needs, are observed throughout the work
		1.3	Instructions and/or plans are read and interpreted to identify process required to complete work tasks
		1.4	Sub-floor condition is assessed for suitability for

- installation of engineered timber flooring
- 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 selection of a starting point, to ensure efficiency and quality of installation
- 2 Set out materials for installation
- 2.1 Engineered timber flooring is acclimatised according to manufacturer recommendations
 - 2.2 Engineered timber flooring for fixing is 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 strips are prepared for use as required
- 3 Lay out flooring
- 3.1 Instructions and sequence for laying and fixing are followed
 - 3.2 Engineered timber flooring is laid out to meet directional sequence, pattern match, specification requirements and to minimise waste and joins
 - 3.3 The aesthetics of the materials are maximised, including matching grains and colours
 - 3.4 Engineered timber flooring materials are accurately and clearly marked for cutting
 - 3.5 Materials are 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 strips/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
 - 4.7 Any required preparations for sanding of flooring are made
- 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 is 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.

Legislative requirements include:

- applicable legislation from all levels of government that affect organisational operation
- award and enterprise agreements
- industrial relations
- Australian Standards
- confidentiality and privacy
- WHS
- the environment
- equal employment opportunity (EEO)
- anti-discrimination
- relevant industry codes of practice
- duty of care and heritage

WHS requirements include:

- Commonwealth, state or territory legislation and regulations
- organisational safety policies and procedures
- the use of personal protective equipment and clothing
- firefighting equipment
- first aid equipment
- hazard and risk control and elimination
- control of hazardous materials and substances
- manual handling, including lifting and carrying

Organisational requirements include:

- 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
- WHS

- 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)
- Instructions include:**
- 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
- Sub-floor assessment includes:**
- testing for moisture content, expansion, rot, structural strength, smoothness and plane
- 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
 - glue gun
 - staple gun
 - nailers
 - flooring cramps
 - strap clamps
 - wall clamps
- Materials include:**
- timber flooring materials
 - underlay
 - edge strips
 - tapes
 - adhesives

- Adhesives include:**
- polyvinyl alcohol (PVA)
 - epoxy
 - polyurethane elastomeric

Unit Mapping Information

No equivalent unit

Links

Companion Volume implementation guides are found in VETNet -
<https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>