



**Australian Government**

# **MSFFL3118 Install sprung timber flooring**

**Release: 1**

# MSFFL3118 Install sprung timber flooring

## Modification History

Release 1. New unit.

## Application

This unit describes the skills and knowledge required to set out, cut and lay timber for the installation of a special-purpose sprung platform-based timber floor (such as in a sports or leisure facility).

Workers with this competency undertake routine tasks according to job instructions and workplace procedures using discretion, judgement and problem-solving to identify and resolve routine issues. They work with a high degree of self-direction under routine supervision, and they are responsible for their output.

The work described in this unit may require a licence or certification in some jurisdictions, and state or territory authorities should be consulted to determine the current status. Workers on construction sites are required by law to complete induction training. They must also comply with relevant legislation, regulations, Australian Standards, codes and manufacturer installation instructions.

## Competency Field

Flooring technology

## Elements and Performance Criteria

| Elements                                     | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Elements describe the essential outcomes.    | Performance criteria describe the performance needed to demonstrate achievement of the element.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 1. Prepare to install sprung timber flooring | <p>1.1 Interpret sprung timber flooring installation requirements from job and manufacturer instructions and calculate the quantities of materials required</p> <p>1.2 Identify hazards relating to the work site, work practices, materials, tools and equipment, and check risk treatments are in place and operating</p> <p>1.3 Select and check all required tools and equipment are ready to use, and organise to fix any deficiencies according to workplace procedures</p> <p>1.4 Gather the flooring material and confirm its species, grade, size, quantity and quality against job instructions</p> <p>1.5 Check and confirm the flooring material's moisture content is suitable for site conditions according to workplace procedures</p> |

| Elements                                               | Performance Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
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|                                                        | <p>1.6 Gather the underlay, adhesives, trims and other materials required by job instructions, and check they meet quality requirements and are prepared and ready to install according to the manufacturer instructions, product labels, safety data sheets and workplace procedures</p> <p>1.7 Confirm the subfloor is clean and suitable for installing the flooring, and fix or report any deficiencies according to workplace procedures</p> <p>1.8 Remove or undercut door jambs, cover trims and other joinery, and store for refitting or send for machining according to job instructions</p>                                                                                                                                                                                                                                                                                                                                                                                              |
| 2. Cut, fit and fasten sprung timber flooring          | <p>2.1 Install underfloor pads according to manufacturer instructions</p> <p>2.2. Install batten and/or sheet substrate materials according to job and manufacturer instructions</p> <p>2.3 Establish the starting point and mark out working lines</p> <p>2.4 Lay out the flooring according to job instructions to maximise aesthetics with respect to material colours, grains and patterns, to minimise waste and joins, and to ensure an efficient, quality installation</p> <p>2.5 Measure, mark and cut the flooring to length and size</p> <p>2.6 Install the flooring according to the manufacturer instructions, allowing appropriate field and perimeter expansion joints</p> <p>2.7 Refit removed items and finish installing the flooring</p> <p>2.8 Check the flooring is installed correctly according to job instructions and quality requirements, and fix any deficiencies</p> <p>2.9 Make any necessary preparations for sanding the flooring, according to job instructions</p> |
| 3. Complete the task according to workplace procedures | <p>3.1 Clean up the work area, identify items for recycling and dispose of waste</p> <p>3.2 Identify, tag and report any damage to equipment and tools</p> <p>3.3 Check, clean and do routine maintenance on equipment and tools and store them and unused materials</p> <p>3.4 Complete task outcome documentation</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

## Unit Mapping Information

No equivalent unit.

## 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 MSFFL3118 Install sprung timber flooring

## Modification History

Release 1. New unit.

## Performance Evidence

There must be evidence the candidate has completed the tasks in the elements and performance criteria of this unit of competency and has demonstrated the ability to install according to job instructions one type of sprung timber sports floor as part of a team, demonstrating at least 20 m<sup>2</sup> as the lead installer for the subfloor system and flooring installation.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- manufacturer installation instructions for sprung timber flooring including:
  - strip tongue and groove
  - parquetry floating floors
  - manufactured engineered flooring used for indoor sporting applications
- manufacturer installation instructions for rubber and neoprene underfloor pads
- manufacturer use instructions for sprung timber flooring adhesives including:
  - polyvinyl alcohol (PVA)
  - polyurethane elastomeric
- the safe and correct use of, and maintenance requirements for tools and equipment for, installing sprung timber flooring
- the most common issues that can arise when installing sprung timber flooring and how to avoid and respond to them
- workplace policies and procedures relevant to their job role and responsibilities including for:
  - installing sprung timber flooring
  - communication and reporting
  - environmental protection and sustainability, including maximising resource utilisation and minimising waste
  - quality indicators for completed work and process improvements
  - work health and safety, including the use of personal protective equipment and safety data sheets
  - work planning
- how to identify if a subfloor is suitable for installing sprung timber flooring
- how to identify if sprung timber flooring is installed correctly.

## Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
  - locations in which to install sprung timber flooring
  - sprung timber flooring and other materials required by job instructions
  - equipment and tools required for the activities set out in the elements and performance criteria, including those to control hazards
  - job instructions and workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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