



Australian Government

MSFFM3029 Select timbers for furniture production

Release: 1

MSFFM3029 Select timbers for furniture production

Modification History

Release 1. Changes to code, application, elements, performance criteria, assessment requirements. Foundation skills added. Range of conditions removed. Assessment requirements changed.

Application

This unit describes the skills and knowledge required to determine timber requirements and evaluate the suitability of different timbers against those requirements.

Workers with this competency select timbers to meet specified client or production requirements. They use discretion, judgement and specialised knowledge of timbers.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Cabinetry and furniture

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Determine timber requirements	1.1 Identify aesthetic and practical requirements for timbers from workplace information 1.2 Develop selection criteria to guide timber evaluation based on task requirements
2 Evaluate timbers against requirements	2.1 Select potential timbers for consideration based on task requirements and production limitations 2.2 Assess the properties of selected timbers against selection criteria 2.3 Identify and consider the need for compatibility with other materials 2.4 Consider moisture content of timber being used to ensure compliance with production requirements 2.5 Develop and document recommendations for timber to be used based on evaluation and in accordance with workplace procedures

Foundation Skills

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

- Reading skills to interpret unfamiliar technical information about timbers
- Writing skills to communicate reasons for timber recommendations.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSFFM3008 Select timbers for furniture production.

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 MSFFM3029 Select timbers for furniture production

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- evaluate and select timbers to meet 3 different design or production briefs.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- native and non-native hardwoods and softwoods commonly used for furnishing production, including their:
 - density and hardness
 - elasticity
 - strength
 - brittleness
 - main uses and production limitations
- timber characteristics, including:
 - cupping, bowing, springing and twisting
 - basic chemical composition
 - compatibility with other materials
- impact on timber of climate and workshop conditions
- how to maintain performance and visual quality
- wood pests and protection
- how to identify natural and seasoning faults
- seasoning methods
- how timber is graded
- measuring moisture content in timber
- sawn timber and types of defects
- solid timber conversion techniques
- emerging wood technologies, including heat treatments and wood preservatives
- personal protective equipment (PPE) required.
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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:
 - design or production briefs
 - specialised information about different types of timbers
 - workplace procedures.

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

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