



Australian Government

MSFFL3029 Adapt and apply custom designs to timber flooring

Release: 1

MSFFL3029 Adapt and apply custom designs to timber flooring

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers preparing and presenting a range of design concepts as solutions to a design brief in accordance with integral design elements and principles.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

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	Select and adapt the design	1.1	Applicable work health and safety (WHS), legislative and organisational requirements relevant to timber flooring design are verified and complied with
		1.2	Client design concept is matched with available custom designs and the preferred design selected
		1.3	Design concept is adapted to suit the dimensions of the floor area
		1.4	Scale representations of the design application are prepared
2	Select the timber	2.1	Budget and availability constraints are used to identify realistic timber options
		2.2	Timber options are analysed on the basis of durability, longevity, aesthetics, manufacturer recommendations and client expectations

		2.3	Most appropriate timber options are selected and incorporated into the job specification
3	Select the finishing technique and materials	3.1	Effects of finishing materials on the final appearance of the design are identified and analysed
		3.2	Effects of the finishing technique on the final appearance of the design are identified
		3.3	Finishing techniques and materials which best complement the design aesthetics are selected and incorporated into the job specification
4	Finalise the job specification	4.1	Job specifications covering working drawings, material specifications and costs are finalised
		4.2	Client approval for the job specification is obtained

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

Timber flooring design

- the pattern, logo or motif that is being incorporated into the

includes:	timber floor
Available custom designs include:	• those created by others, including material providers, manufacturers and professional design outlets and made available through complementary or commercial means
Scale representations include:	• the adaptation of the custom design to the specific dimensions of the intended flooring coverage and may be prepared manually or using computer-aided means
Timber options include:	• those timbers which are within the cost envelope and are capable of being used to achieve the design requirements in terms of: • colour • texture • hardness • workability • compatibility • endurance
Job specification includes:	• measurements • materials to be used • preparation and application processes/procedures to be followed
Effect of finishing materials include:	• colour matching/contrast requirements as well as: • durability • moisture management • other protection control requirements
Effects of finishing techniques include:	• the impact and effects of securing filling and sanding
Working drawings include:	• drafted technical drawings • drawings produced on computer using computer-aided design (CAD) software packages
Material specifications include:	• materials • construction methods and procedures • finishing methods and techniques • compatibility requirements and limitations • relevant national and industry standards
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 equivalent to LMFFL3501A Adapt and apply custom designs to 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 MSFFL3029 Adapt and apply custom designs to 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
- Adapt a minimum of two (2) custom designs for timber flooring, including the preparation of detailed job specifications with:
 - one (1) for a strip floor
 - one (1) for a parquet 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 adapting and applying custom designs to timber flooring
- Organisational and site standards, requirements, policies and procedures for adapting and applying custom designs to timber flooring
- Types, characteristics, uses and limitations of commonly used flooring timbers
- Types, characteristics, uses, limitations and effects on timber of finishing materials
- Availability and costs of flooring timbers
- Manual and CAD techniques
- Established communication channels and protocols
- Relevant problem identification and resolution
- Appropriate mathematical procedures for estimation and measurement

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 realistic tasks covering a strip floor and parquet floor, a range of custom designs, information and equipment relevant to adapting and presenting design information, and a real/simulated client.

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