



Australian Government

MSFKB4015 Research and recommend materials, components and finishes for kitchen designs

Release: 1

MSFKB4015 Research and recommend materials, components and finishes for kitchen designs

Modification History

Release 1. Supersedes and is equivalent to MSFKB4002 Research and recommend materials, components and finishes for kitchen designs.

Application

This unit describes the skills and knowledge required to determine requirements of the kitchen design brief, research options, and make recommendations for materials, components and finishes.

This unit applies to individuals working in kitchen design roles. They analyse and compare product information from a wide range of different sources to inform a design solution.

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

Pre-requisite Unit

N/A

Unit Sector

Interior Decoration and Design

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Identify requirements of kitchen designs brief	1.1 Evaluate project specifications, parameters and constraints, and confirm with client 1.2 Select work resources based on the needs of the project 1.3 Identify and assess aspects of the space that impact on potential solutions 1.4 Identify key project stakeholders and establish required communication protocols
2. Research options for kitchen materials, components and finishes	2.1 Examine products used in kitchen applications and determine suitability to meet design brief 2.2 Research new material technologies and determine suitability to

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	meet design brief 2.3 Select options for further analysis and design development
3. Evaluate functional and aesthetic characteristics	3.1 Use elements and principles of design to examine the appropriateness of materials, components and finishes for client requirements 3.2 Assess aesthetic qualities with regard to desired effect 3.3 Assess application methods and available expertise for the desired effect 3.4 Assess and compare costs and quality of materials, components and finishes 3.5 Examine sustainability considerations for materials, components and finishes 3.6 Research hazards associated with the use and application of materials, components and finishes
4. Refine ideas and select preferred solution	4.1 Explore, integrate and refine different options through a process of reflection and testing 4.2 Choose a preferred solution based on research findings and the key objectives of the project brief 4.3 Prepare a visual representation that communicates the key aspects of the preferred solution
5. Make recommendations	5.1 Present recommendations in a format and level of detail suited to the client and scope of the project 5.2 Clearly articulate rationale for the chosen solution and present to the client 5.3 Seek client feedback on the proposed solution 5.4 Base adjustments to the final design solution on feedback 5.5 Accurately document specifications of selection and prepare for integration into design drawings and plans

Foundation Skills

The Foundation Skills describe those required skills (such as, language, literacy, numeracy and employment skills) that are essential to performance:

- technology skills to research product options and present recommendations using digital media.

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

Unit Mapping Information

Supersedes and is equivalent to MSFKB4002 Research and recommend materials, components and finishes for kitchen designs.

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 MSFKB4015 Research and recommend materials, components and finishes for kitchen designs

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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:

- researched and presented recommendations for materials, components and finishes for 3 kitchen designs, 1 of which must be a renovation, and 1 of which must be a new build.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- liveable housing design – current and emerging thinking and trends
- type and scope of client / project brief information needed to inform research and recommendation:
 - budget
 - client preferences
 - aesthetic and functional requirements
 - site characteristics – size, shape, services, structural considerations
 - timeline
- mathematical procedures for estimation and measurement
- sources of information on kitchen products:
 - how to access
 - ways to interrogate and identify and distil information
- how different aspects of space impact on potential solutions, including:
 - colour
 - size
 - shape
 - level of light
 - structural features
- types and features of resources that support the provision of kitchen design advice, and how they are used, including:
 - research tools
 - product information tools

- communication tools
- elements and principles of design, their interrelationships, and how they are used in kitchen design
- current and emerging technologies for kitchen products, including construction and installation techniques and their impact on design
- types, characteristics, uses and limitations of different kitchen products, including:
 - materials:
 - glass
 - laminate – low pressure, high pressure
 - particleboard
 - plywood
 - resin-based solid surfaces
 - stainless steel
 - stone – reconstituted, solid
 - tiles
 - timber and timber veneer
 - vinyl and/or foil wrap
 - components:
 - accessories – handles, hinges, runners, taps
 - cabinetry
 - benchtops
 - splashbacks
 - kickboards/plinths/legs
 - finishes:
 - edging and edge profiles
 - paints
 - waxes
 - lacquers
 - stains
 - pigments
 - oils
 - plastic coatings
 - ceramics
- different ways of creating visual representations for design solutions.

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 briefs
- information technology for research and design presentation.

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

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