



Australian Government

MSFKB4016 Research and recommend materials, components and finishes for bathroom designs

Release: 2

MSFKB4016 Research and recommend materials, components and finishes for bathroom designs

Modification History

Release 2. Minor upgrade to Element # 1. Supersedes and is equivalent to MSFKB4016 Research and recommend materials, components and finishes for bathroom designs (Release 2)

Release 1. Supersedes and is equivalent to MSFKB4005 Research and recommend materials, components and finishes for bathroom designs.

Application

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

This unit applies to individuals working in bathroom 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 bathroom 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

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
2. Research options for bathroom materials, components and finishes	2.1 Examine products used in bathroom applications and determine suitability to meet design brief 2.2 Research new material technologies and determine suitability to 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 Determine waterproofing capabilities from product research 3.6 Examine sustainability considerations for materials, components and finishes 3.7 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 and present rationale for the chosen solution and present to the client 5.3 Seek client feedback on the proposed solution 5.4 Make adjustments to the final design solution based on feedback 5.5 Accurately document and prepare specifications of selection 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

Release 2. Minor upgrade to Element # 1. Supersedes and is equivalent to MSFKB4016 Research and recommend materials, components and finishes for bathroom designs (Release 2)

Release 1. Supersedes and is equivalent to MSFKB4005 Research and recommend materials, components and finishes for bathroom 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 MSFKB4016 Research and recommend materials, components and finishes for bathroom designs

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and:

- researched and presented recommendations for materials, components and finishes for 3 bathroom 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 and/or 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 bathroom 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 bathroom 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 bathroom design
- current and emerging technologies for bathroom products, including construction techniques and their impact on design
- types, characteristics, uses and limitations of different bathroom 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/foil wrap
 - components:
 - accessories – handles, hinges, runners, taps
 - benchtops
 - cabinetry
 - kickboards/plinths/legs
 - shelving
 - showers / baths
 - sinks
 - splashbacks
 - toilets / bidets
 - walls
 - finishes, including potential hazards:
 - edging and edge profiles
 - paints
 - waxes
 - lacquers
 - stains
 - pigments
 - oils
 - plastic coatings
 - ceramics

- veneers
- waterproofing finishes
- 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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