



Australian Government

MSFID4007 Identify materials, construction techniques and methods used in building interiors

Release: 1

MSFID4007 Identify materials, construction techniques and methods used in building interiors

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers researching and documenting the materials, construction techniques and methods associated with the construction of residential buildings for work in interior decoration and design businesses of all sizes.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking interior decoration and design work. Access to construction sites requires certification of general induction training specified by the *National Code of Practice for Induction for Construction Work* (ASCC 2007).

Pre-requisite Unit

Competency Field

Unit Sector

Interior Decoration and Design

Elements and Performance Criteria

Elements describe the essential outcomes.		Performance criteria describe the performance needed to demonstrate achievement of the element.	
1	Establish structural components and materials used in residential buildings	1.1	Residential building process is delineated into separate construction stages and expressed chronologically
		1.2	Trades, construction techniques and materials associated with each stage are summarised
		1.3	Individual component members are identified and sorted into structural or non-structural categories
		1.4	Demolition methods for the removal of existing work can be identified
2	Interpret plans and specifications	2.1	Specific components and materials on given building plans are located

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| | 2.2 | Construction methods are explained from a given plan |
| | 2.3 | Specific component details in a given building specification are located and identified |
| | 2.4 | Bill of quantities and other relevant specification documents are interpreted |
| | 2.5 | Prime cost items are located and extracted from a given set of documents |
| 3 | Specify the materials and methods involved in the refurbishment of wet areas | <p>3.1 Properties of materials used in wet area construction are evaluated</p> <p>3.2 Installations of wet area cabinetry are specified</p> |
| 4 | Develop and maintain relevant and current reference material | <p>4.1 Relevant Building Services Authority building licensing requirements applicable to interior decoration projects are complied with</p> <p>4.2 Evidence of contact with industry suppliers to obtain information relevant to building components and equipment used in residential interiors is presented</p> <p>4.3 An index to the portfolio to reflect industry topics and to allow easy access to the information is provided</p> <p>4.4 Future additions of reference material are allowed for and details of the information, such as date, source, author and reference to any related information, are included</p> <p>4.5 A strategy to ensure that the portfolio remains current and accurate is prepared</p> |

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:	• work health and safety (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, Liveable and Accessible Housing Design guidelines, and organisation insurance requirements • work requires individual to demonstrate discretion, judgement and problem solving, plus self-management and learning skills
Sets of documents include:	• drawings • plans • schedules • specifications • bill of quantities
Personal protective equipment includes:	• that prescribed under legislation, regulations and enterprise policies and practices
Information and procedures include:	• work instructions, including plans, drawings and designs • workplace procedures relating to reporting and communication • manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFID4007A Identify materials, construction techniques and methods used in building interiors.

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 MSFID4007 Identify materials, construction techniques and methods used in building interiors

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Performance Evidence

- Interpret work orders 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
- Access and interpret information about building materials and processes and identify key elements and participants in the building process
- Use mathematical ideas and techniques to correctly complete measurements, calculate area/volume and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications, presentation of design/colour concepts, the reporting of work outcomes and problems
- Present findings in a creative and convincing format
- 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 the full range of processes for identifying building materials and methods
- Organisational and site standards, requirements, policies and procedures for identifying building materials and methods
- Relevant Australian Standards and the Building Code of Australia (BCA)
- Awareness of different forms of construction
- Local environmental plans and relevant building authorities
- Basic building and architectural terminology
- Common structural and non-structural components of a residential building
- Geographical implications of a building site/location
- Materials and methods involved in the refurbishment of a wet area
- Materials and methods involved in the construction and installation of contemporary built-in cabinetry

- Equipment involved in the installation of home theatre systems
- Climate control devices, including fans, heaters and air conditioners
- Relevant research techniques
- Residential building demolition methods
- Construction trades, techniques and materials associated with each stage
- Residential building process

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 materials, equipment and specifications relevant to identifying materials, techniques and methods used in building interiors.

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