

Title	Demonstrate knowledge of, select, and use materials for a Stage 3 BCATS project		
Level	3	Credits	4

Purpose	<p>This unit standard has been designed to be achieved within a building, construction, and allied trades skills (BCATS) programme.</p> <p>A person credited with this unit standard is able to demonstrate knowledge of, select and use a range of materials for a Stage 3 BCATS project.</p>
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Classification	Construction Trades > Building, Construction, and Allied Trades Skills
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Available grade	Achieved
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Guidance Information

1 Definitions

BCATS environment means any workplace or context where work or activities related to the building, construction and allied trades sector take place, such as school workshops, training establishments, outdoor areas, and industry placement workplaces.

BCATS project documentation refers to information and instructions (oral, written, graphic) that detail the parameters of and planning for a BCATS project. The BCATS project documentation may include such things as project briefs, project plans, working drawings, specifications, and quality control procedures, but this will vary depending on the particular BCATS environment and BCATS project.

Industry placement refers to a student being placed with an organisation to gain experience of what it is like to work within a sector of the building and construction industry.

Materials refer to those that are typically required to complete Stage 3 BCATS projects within a BCATS environment. This may include adhesives, coatings, timber, steel, sheet materials, glass, masonry, hardware.

Specifications refers to documented instructions (oral, written, graphic) such as: manufacturer's specifications, recommendations, or technical data sheets; material specifications; specifications from a specialist source such as an architect, designer, engineer or a supervisor; site or work specific requirements.

Stage 3 BCATS project means a project undertaken in a BCATS environment under limited supervision, using a broad range of tools, equipment, machinery and materials, and involving a range of standard processes.

Workplace practice refers to the documented procedures specific to a BCATS environment, which cover the standard and required practices of that environment.

- 2 The use of materials is restricted to the BCATS environment and does not equate to the level of commercial competence expected of trade practitioners.
- 3 Assessment against this unit standard may occur in a wide range of BCATS environments as listed above.
- 4 Assessment against this unit standard must include a minimum of four different material types.
- 5 Legislation relevant to this unit standard includes but is not limited to:
Health and Safety at Work Act 2015.
Health and Safety at Work Regulations 2016.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of a broad range of materials used for a Stage 3 BCATS project.

Performance criteria

- 1.1 Materials are described in terms of their purpose and function for a Stage 3 BCATS project.
- 1.2 Materials are identified and described in terms of their physical properties.
- 1.3 The methods and reasons for using different types of materials are explained in accordance with specifications and workplace practice.
- 1.4 The health and safety procedures when using different types of materials are described in accordance with specifications and workplace practice.

Outcome 2

Select and use materials for a Stage 3 BCATS project.

Performance criteria

- 2.1 Material requirements for a Stage 3 BCATS project are confirmed in accordance with the BCATS project documentation.
- 2.2 Materials are selected, and the selection is justified.
- 2.3 Selected materials are used safely to meet the Stage 3 BCATS project requirements.

Planned review date	31 December 2024
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 October 2016	N/A
Rollover and Revision	2	29 September 2022	N/A

Consent and Moderation Requirements (CMR) reference	0048
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council qualifications@waihangaararau.nz if you wish to suggest changes to the content of this unit standard.