

40570 Select and use materials for a BCATS project

Kaupae Level	3
Whiwhinga Credit	5
Whāinga Purpose	<p>This skill standard is for people intending to develop underpinning skills and knowledge of building, construction, and allied trades.</p> <p>This skill standard recognises the skills to select and work with materials in a project for building, construction, and allied trades.</p> <p>This skill standard aligns with the New Zealand Certificate in Building, Construction, and Allied Trades Skills (Level 3) [Ref: 3845].</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Select and use materials for a BCATS project.	a. Materials are selected for the project and justified, considering material properties and uses.
	b. Materials are used to meet project requirements and to minimise waste.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

Candidates must demonstrate competence for this skill standard while undertaking a project. Projects at this level should reflect a focus on industry entry-level skills and complexity, using a wide range of techniques and strategies, materials and equipment.

Candidates may complete the assessment requirements individually or as a group member working on a larger project. If participating in a group, candidates must demonstrate skill for each assessment criteria to be deemed competent.

Evidence is required for a range of materials used for building, construction, and allied trades. This may include adhesives, coatings, manufactured boards, aluminium, copper, resin, plastic, recycled materials, timber, galvanised steel, stainless steel, sheet materials, glass, masonry, hardware, upholstery (fabric or leather).

Project requirements may refer to progression of tasks, required quality checks and standard of finishing, project timelines, health and safety, and environmental considerations.

Ngā momo whiwhinga | Grades available

Achieved / Merit / Excellence.

Paetae Achieved	Kaiaka Merit	Kairangi Excellence
Work with materials for a BCATS project	Efficiently work with materials for a BCATS project.	Skilfully work with materials for a BCATS project.

Kaiaka/Merit: *Efficiently* refers to attention detail in the project requirements, material properties and marking out of components to prevent damage and wastage.

Kairangi/Excellence: *Skilfully* refers to optimum material selection to meet project requirements, precise techniques to minimise waste, preventing damage or loss.

Ihirangi waitohu | Indicative content

- Common environmental conditions that can result in deterioration of construction materials.
- Factors that influence the selection of construction materials.
- Health and safety requirements (personal and environmental) when using different types of construction materials.
- Purpose, function, and physical properties of construction materials that may influence selection.
- Sustainable practices when using construction materials, including optimising material end use/lifecycle.
- Handling and storage of materials.

Rauemi | Resources

BCATS Programme Guidance, available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Planning and Construction > Construction Trades > Building, Construction, and Allied Trades Skills
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	29 May 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaces unit standard 29678.		
Rā arotake Planned review date	31 December 2030		

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