

40286**Select and use common materials for construction tasks**

Kaupae Level	2
Whiwhinga Credit	8
Whāinga Purpose	<p>This skill standard recognises the skills to select and use a range of common materials for construction tasks.</p> <p>This skill standard contributes to qualifications designed for the construction environment.</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 materials for construction tasks.	a. Properties of materials that make them suitable or unsuitable for the task are identified.
	b. Materials are selected to meet end use purpose and specified task.
2. Use materials for construction tasks.	a. Materials are used in construction tasks for their intended purpose.
	b. Construction tasks are completed as specified, without visual defects, and to minimise material waste.
	c. Materials are handled and stored safely.

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

Evidence for this assessment must include completion of familiar tasks to acceptable standards using a range of common construction materials.

Familiar tasks are those frequently encountered in a specific construction trade and include cutting, shaping, joining, and finishing.

Use of power and hand tools must be supervised.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

Construction material types, properties and uses

- Timber.
- Concrete/Masonry.
- Metals.
- Plastics.
- Stone.
- Liquids.

Factors that influence material selection

- Durability.
- Sustainable practices for the use of materials (carbon footprint etc).
- Material storage requirements.
- Hazardous materials.
- Cost factoring
- Compatibility

Timber

- Cutting.
- Joining – butt, mitre.
- Fixing - screws, bolts, nails
- Adhesives.
- Finishing – sanding.

Metals

- Joining – welded, bolted, screwed, riveted, forming.
- Finishings – coatings.
- Compatibility.

Tools

- Power tools used for cutting, fixing, and finishing.
- Hand tools used for cutting, fixing and finishing.

Safety

- Safety use and the safety of others when using materials.
- Tools, electrical safety, personal and environmental safety for different material use.

Rauemi | Resources

Programme Guidance available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kouna | 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 > Core Construction
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0048

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 November 2024	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2029		

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.