

## Paving 7      Place permeable concrete paving for streetscape applications

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	
<b>Whāinga   Purpose</b>	<p>This skill standard is for people intending to complete the New Zealand Certificate in Streetscape Paving (Level 4).</p> <p>People with this skill standard have the skills to place permeable concrete paving as per industry standards.</p> <p>This skill standard may contribute to New Zealand qualifications designed for construction and infrastructure trades.</p>
<b>Whakaakoranga me mātua oti   Pre-requisites</b>	

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

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Prepare for permeable concrete paving.	a. Formwork, levels, and drainage layout are checked.
	b. Permeable concrete mix is confirmed to meet design requirements.
	c. Flow paths and infiltration locations are identified.
2. Place and finish permeable concrete.	a. Concrete is placed and screeded evenly to the required thickness and shape.
	b. Surface is compacted without closing voids.
	c. Surface finish suited to permeability and the intended use is applied.
	d. Surface is checked for level and infiltration performance.
3. Support curing and infiltration performance.	a. Curing method that retains permeability is applied.

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
	b. Surface is protected from clogging and contamination.
	c. System compliance with stormwater design standards is confirmed.

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

#### Assessment specifications:

*Streetscape paving* refers to the design, selection, and installation of paving materials in public spaces such as sidewalks, plazas, pedestrian zones, parks, and road edges. The focus is on durability, safety, aesthetics, and functionality to make these areas accessible and attractive.

To achieve this standard, the candidate must place permeable concrete paving for streetscape work in line with industry standards.

*Industry standards* must reflect best practice, workplace procedures, and be within acceptable tolerances as defined in New Zealand codes, standards and regulations.

Evidence for this standard must be:

- to current and relevant legislation, standards, and codes (including safety),
- in an environmentally sustainable manner,
- within an acceptable timeframe,
- in different and unfamiliar contexts,
- with acceptable behaviours.

### Ngā momo whiwhinga | Grades available

Achieved.

### Ihirangi waitohu | Indicative content

- Permeable concrete mix design and testing
- Installation techniques that preserve porosity
- Surface finishes: broomed, roller compacted
- SMAF1, SMAF2, GD01, and other compliance documents
- Maintenance for infiltration capacity.
- Concrete mix design, slump, and curing times
- Tools and methods for compaction and finishing
- Types of joints and timing of installation
- Drainage and accessibility requirements
- Curing methods: wet covering, curing compound
- Quality control and defect prevention
- Supplementary Cementitious Materials (SCMs) such as fly ash, slag, silica fume.

### Rauemi | Resources

Programme guidance available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

### Pārongo Whakaū Kounga | Quality assurance information

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0101

<b>Hātepe  </b> Process	<b>Putanga  </b> Version	<b>Rā whakaputa  </b> Review Date	<b>Rā whakamutunga mō te aromatawai  </b> Last date for assessment
<b>Rēhitatanga  </b> Registration	1	[dd mm 2025]	N/A
<b>Kōrero whakakapinga  </b> Replacement information	N/A		
<b>Rā arotake  </b> Planned review date	31 December 2030		

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