

**40910****Place permeable concrete paving for streetscape applications**

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	15
<b>Whāinga   Purpose</b>	<p>This skill standard is intended for people working in or entering the streetscape paving trade.</p> <p>People with this skill standard have the skills to place permeable concrete paving for streetscape applications.</p> <p>This skill standard aligns with the New Zealand Certificate in Streetscape Paving (Level 4) [Ref: 5456] and may also contribute to other construction and infrastructure qualifications.</p>

**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 for streetscape applications.	a. Formwork, levels, and drainage layout are checked.
	b. Permeable concrete mix is confirmed to meet plans and specifications.
	c. Flow paths and infiltration locations are identified.
2. Place and finish permeable concrete for streetscape applications.	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. Maintain curing and infiltration performance for streetscape applications.	a. Curing method that retains permeability is applied.
	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:***

To achieve this standard, the candidate must place permeable concrete paving for streetscape applications 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.

Plans and specifications may include working drawings, site plans, manufacturer specifications, installation instructions, demolition plans, and project work plans.

Evidence for this standard must be demonstrated:

- 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.

***Definition***

**Streetscape paving** refers to the use of different 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.

***Ngā momo whiwhinga | Grades available***

Achieved.

**Ihirangi waitohu | Indicative content**

- Industry standards.
- Plans and specifications.
- Surface finishes (e.g. roller).
- Permeable concrete mix design and testing.
- Installation techniques that preserve porosity.
- Compliance requirements.
- 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	Engineering and Technology > Infrastructure Works > Generic Infrastructure Works
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0120

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	30 October 2025	N/A
<b>Kōrero whakakapinga   Replacement information</b>	N/A		
<b>Rā arotake   Planned review date</b>	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.