

40280**Apply topical coatings to concrete floor surfaces**

Kaupae Level	4
Whiwhinga Credit	10
Whāinga Purpose	<p>This skill standard recognises the skills required to apply topical coatings to concrete floor surfaces.</p> <p>This skill standard aligns with the New Zealand Certificate in Flooring Surface Preparation (Level 4) [Ref: 4299].</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Plan a topical coating work schedule.	a. Application method and tools are selected to meet manufacturers requirements for the topical coating and the flooring surface.
	b. Tools are used to measure that the substrate has been adequately prepared for the topical coating to be applied.
	c. The flooring substrate, and site and environmental conditions are confirmed as meeting manufacturers' requirements prior to coating.
	d. The ventilation plan is created and implemented according to manufacturers' specifications and legislative requirements to mitigate the impact on the immediate and surrounding environment.
2. Apply topical coatings to a concrete substrate.	a. Topical coatings are applied to concrete flooring surfaces to provide a quality finish according to job requirements.
	b. Topical coatings used are handled and stored according to legislative requirements.
	c. Topical coating is applied in accordance with manufacturers' specifications.

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

Assessment specifications:

Candidates must be capable of consistently applying topical coatings to concrete flooring surfaces to the standard expected of commercial competence.

Application of topical coatings includes evidence of a two-component coating and at least two of:

- paint
- sealer
- polish
- polyurethane.

A two-component coating may include epoxy, polyurethane, methyl methacrylate, polyester.

Topical coatings do not include waterproofing systems, resin toppings, underlayment, or cementitious systems.

Commercial competence refers to:

- performing the skill in a safe manner
- performing the skill to required industry standards
- performing the skill within a commercially viable timeframe
- repeating the skill on demand
- performing the skill without supervision
- applying the skill to other work.

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

Workplace procedures refer to verbal and written information covering company policy, standard operating procedures, and job specific instructions.

Assessment must conform to workplace conditions and meet workplace health and safety requirements.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content**Planning**

- Interpreting job requirements.
- Selecting appropriate products for the environment and application.
- Interpreting product data sheets.
- Assessment of substrate preparation and substrate remedial work.
- Environmental factors such as dust, wind and other potential contaminants.
- Safe and adequate ventilation requirements.
- Suitability of products for different environments and substrates.

Application

- Properties, purpose and handling of topical coatings.
- Use of tools and equipment.
- Applying topical coatings.
- Maintaining topical coatings.
- Paint, dual-component coatings, sealer, polyurethane, wax and other topical finishes.
- Storing and handling of products.

Rauemi | Resources

Flooring Programme Guidance available from qualifications@waihangaararau.nz.

Legislation, available from www.legislation.govt.nz:

- Hazardous Substances and New Organisms Act 1996.

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 > Flooring
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0048

Hātepe Process	Putanga Version	Rā whakaputa Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 November 2024	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 32562.		
Rā arotake Planned review date	31 December 2029		

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