

40278 Apply moisture control systems to flooring surfaces

Kaupae Level	4
Whiwhinga Credit	20
Whāinga Purpose	<p>This skill standard recognises the skills required to prepare for and carry out the application of moisture control systems to flooring 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. Prepare for a moisture control system application to flooring surfaces.	a. Moisture control products, tools, plant, and equipment are selected to meet the job requirements.
2. Perform moisture and humidity testing on the flooring substrates and the environment.	a. Specific moisture of concrete and timber flooring substrates are tested and recorded.
	b. The relative humidity of concrete flooring substrates is tested and recorded.
	c. The temperature and the relative humidity of the environment are tested and recorded.
3. Apply moisture control system to substrate surfaces.	a. Adjacent surfaces are protected, and flooring area is isolated ready for application of moisture control systems.
	b. Moisture testing parameters are checked to confirm they are within acceptable limitations for the application of a moisture suppression system according to manufacturers' specifications.
	c. Moisture control system is applied to timber and concrete floor according to job documentation.
	d. Coated surfaces are protected to meet drying requirements according to manufacturers' specifications.

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

Assessment specifications:

Candidates must be capable of consistently applying moisture control systems to horizontal floor surfaces and vertical faces to manufacturers' guidelines and the standards expected of commercial competence.

Acceptable methods are documented in relevant Standards and industry best practice, job documentation, manufacturers' specifications, and workplace procedures.

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.

Vertical faces refer to upstands and internal and external corners.

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**

- Interpretation of job requirements.
- Selecting appropriate products for the environment and application.
- Interpreting product data sheets.
- Tools, plant, and equipment for moisture control system application.
- Moisture control products for different floor covering and coatings.

Moisture testing

- Moisture tests on timber, concrete, and moisture barriers.
- Testing temperature and relative humidity of the environment and substrate.
- Testing equipment and methods compliant with New Zealand Standards and the Building Code.
- Interpreting moisture test results.
- The impact of substrate type, surface type, environment, and worksite conditions.
- Environmental impacts on moisture testing, such as relative humidity, temperature, and moisture content.

Moisture control systems

- Purpose of moisture control.
- Protecting other surfaces in the vicinity of the moisture control site.
- Acceptable moisture testing parameters.
- Regional, legislative, and manufacturers' requirements.
- The types, purposes, and properties of moisture control systems.
- Product application methods.

Rauemi | Resources

Flooring Programme Guidance available from qualifications@waihangaararau.nz.

New Zealand Standards, available from www.standards.govt.nz:

- AS/NZS 1080.1:2012 *Timber - Methods of test -Method 1: Moisture content*
- AS/NZS 2455.1: 2007 *Textile floor coverings – Installation practice - General*
- NZS AS 1884:2013 *Floor coverings – Resilient sheet and tiles – Installation practices*.

Best practice guidelines, available from www.floornz.org.nz:

- FloorNZ. (2024). *Resilient Floor Coverings Planning and Installation*.

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 > 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 32558.		
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.