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| Floor L3-13 | Evaluate substrate surfaces for flooring operations |

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| **Kaupae** | Level | 3 |
| **Whiwhinga** | Credit | 5 |
| **Whāinga** | Purpose | This skill standard recognises the skills required to evaluate the principles of clean, sound, flat, smooth, dry, and presence of hazardous substances, of a substrate surface.  This skill standard contributes to:   * New Zealand Certificate in Flooring Installation (Level 4) [Ref: 4296] * New Zealand Certificate in Flooring Planning and Design (Level 4) [Ref: 4297] * New Zealand Certificate in Flooring Surface Preparation (Level 4) [Ref: 4299] * New Zealand Certificate in Timber and Composite Flooring (Level 4) [Ref: 4300]. |

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

| **Hua o te ako |** Learning outcomes | **Paearu aromatawai** | Assessment criteria |
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| 1. Evaluate principles of substrate surfaces prior to flooring installation. | 1. Acceptable procedures are used to measure condition of substrate surface in relation to each principle. |
| 1. Potential problems are identified if flooring substrate surface does not meet each principle prior to flooring installation. |
| 1. Recognise potential hazardous substances found on flooring substrate surfaces. | 1. Hazardous substances that have the potential to be found on a flooring substrate surface are accurately identified. |
| 1. Acceptable description of workplace procedures to follow hazardous substances are found on a flooring substrate surface. |

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

Assessment specifications:

Candidates must be capable of consistently evaluating substrate surfaces for each of the following principles to commercial standards: clean, sound, flat, smooth, and dry.

A candidate is not responsible for either confirming the potential hazard as an actual hazard or the disposal/removal of hazardous products found on flooring substrate surfaces.

Commercial standards refer to:

* performing the skill in a safe manner
* performing the skill to the required industry standards
* performing the skill within an acceptable timeframe
* repeating the skill on demand.

*Acceptable procedures* are documented in relevant standards and codes, job specifications, manufacturer’s instructions, and workplace procedures.

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

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

Assessment must reflect workplace conditions and meet workplace health and safety requirements.

**Ngā momo whiwhinga** | Grades available

Achieved

**Ihirangi waitohu** | Indicative content

**Technical content**

* The acceptable tolerance for each principle for a substrate surface prior to flooring installation: clean, sound, flat, smooth, and dry.
* Methods to observe each of the principle of a flooring substrate surface.
* Problems that occur if the surface is not free of contaminants such as dust, grit, paint, oils residue, asbestos, mould.
* Problems that occur if a substrate is not sound, flat (plane), or has moisture concerns.
* Problems that occur if there is paint/plaster residue, abrupt height variances.
* Common minor remedies to ensure substrate surfaces prior to flooring installation.
* Identifiable signs of potential hazardous substances that may be found on flooring surfaces.
* Processes to follow if potential hazardous substances are suspected.

**Literacy and numeracy**

* Recording evaluations of flooring substrate surfaces.
* Interpreting industry best practice guidelines on flooring substrate surface preparation.
* Reading and interpreting working drawings for flooring projects.
* Reading and interpreting manufacturer’s specifications for acceptable tolerances of flooring substrate surfaces in readiness for flooring installation.

**Rauemi |** Resources

Flooring programme guidance information available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz)

Legislation, available from [www.legislation.govt.nz](http://www.legislation.govt.nz)

* Health and Safety at Work Act 2015
* Hazardous Substances and New Organisms Act 1996
* The Building Code.

New Zealand Standards, available from [www.standards.govt.nz](http://www.standards.govt.nz)

* NZS AS 1884:2013 Floor coverings – Resilient sheet and tiles – Installation practices
* AS/NZS 24551.1:2007 Textile floor coverings – Installation practice – General.

Best practice guidelines, available from [www.floornz.org.nz](http://www.floornz.org.nz).

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

**Pārongo Whakaū Kounga |** Quality assurance information

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| **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 | CMR 0048 can be accessed at: <https://www.nzqa.govt.nz/nqfdocs/maps/pdf/0048.pdf> |

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| **Hātepe** | Process | **Putanga** | Version | **Rā whakaputa** | Date | **Rā whakamutunga mō te aromatawai** | Last date for assessment |
| **Rēhitatanga |** Registration | 1 | [dd mm yyyy] | 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](mailto:qualifications@waihangaararau.nz) if you wish to suggest changes to the content of this skill standard.