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| PD L3-6 | **Record site measurements and features for flooring installation operations** |

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| **Kaupae** | Level | 3 |
| **Whiwhinga** | Credit | 15 |
| **Whāinga** | Purpose | This skill standard recognises the skills required to perform and communicate measurements and site assessment information for the planning and preparation of flooring installation operations.  This skill standard contributes to the New Zealand Certificate in Flooring Planning and Design (Level 4) [Ref: 4297]. |

**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. Make on-site measurements and calculations of proposed installation area to create working plans. | 1. Areas where flooring product will be installed are accurately measured and documented. |
| 1. The layout of the product including the location of joins is planned and documented. |
| 1. Accurate working plans including measurements and product details for an estimator to quantify materials. |
| 1. The appropriate calculations are made to inform amount of product needed according to product type. |
| 1. Assess and record features of a site for proposed flooring installation operations. | 1. Site features related to access, hazards, and safety considerations are identified to inform planning of flooring installation operations and to meet workplace procedures. |
| 1. Assessment of environmental conditions, such as light sources, UV exposure, provides evidence in relation to suitability of the site is for the proposed floorcoverings. |
| 1. Substate preparation requirements are identified. |
| 1. Communicate the results of the site assessment to inform flooring installation operations. | 1. The scope of work, site features, substrate and environmental conditions are documented for communication with relevant parties according to workplace procedures. |

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

Assessment specifications:

Candidates must be capable of consistently measuring and assessing non-complex sites and producing accurate documentation sufficient for a quote to be prepared from to commercial standards.

*Non-complex* refers to small to medium sized sites with symmetrically regular shaped flooring areas.

Candidates must be capable of recording site measurements and features for floor covering installation on concrete and timber substrates.

*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.

*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

**Measurements and working plans**

* Making measurements and creating working plans.
* Planning for flooring product layout, including location of joins.
* Installation surface area.
* Lineal product lengths.

**Assessing substrates and surroundings**

* Evaluating existing floorcoverings and removal requirements.
* Evaluating substrate properties and preparation requirements.
* Evaluating substrate suitability for different flooring products.
* Assessing edges of areas and finishing required.
* Assessing suitability sites, selected product, and environmental conditions such as light sources, UV exposure.
* Procedures if asbestos or silica are identified.

**Preparation for installation**

* Documenting site assessment for preparation required, installation of products and finishing tasks.
* Evaluating worksite hazards and on-site risks.
* Safe access and delivery of materials on the worksite.
* Relevant legislation, building codes, industry best practice, and manufacturers’ guidelines.

**Professional communication**

* Discussing job requirements during measuring and site assessment.
* Explaining requirements for safety, clearing the area, access to site, and disconnection of fixed electrical appliances.
* Presenting and discussing a plan and layout.
* Communicating with clients.

**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)

* Hazardous Substances and New Organisms Act 1996.

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

* AS/NZS 1080.1:2012 Timber - Methods of test – Method 1: Moisture content.

Best Practice Guidelines, available from [https://floornz.org.nz/technical-flooring-guidelines](https://floornz.org.nz/technical-flooring-guidelines/)

* 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.