

Title	Fine grind and apply resin floor coatings		
Level	4	Credits	20

Purpose	<p>This unit standard is for experienced people working in the resin flooring sector of the industry.</p> <p>People credited with this unit standard are able to: confirm flooring job and specifications and select equipment; prepare and fine grind floors; apply resin floor coatings; maintain a safe working environment; and complete job records.</p>
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Classification	Construction Trades > Flooring
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Available grade	Achieved
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Guidance Information

- 1 Performance of the outcomes of this unit standard must comply with the following legislation and guides: the Building Act 2004; Health and Safety in Employment (HSE) Act 1992; *A Guide to the Health and Safety in Employment Act 1992*, 2nd edition (Department of Labour, 2003) available at <https://www.worksafe.govt.nz/>; and their subsequent amendments.
- 2 Definition
Workplace procedures are all authorised instructions, processes and work practices carried out in the workshop, factory, shop and worksite.
- 3 This unit standard must be assessed in a realistic workplace environment. The candidate must be under realistic time pressures, use relevant commercial equipment, and have realistic staff ratios. Commercially acceptable timeframes vary for the different flooring installation sectors.
- 4 This unit standard applies to finishing concrete and aggregate surfaces.
- 5 Range
Resin floor coatings may include but are not limited to – moisture curing, water borne, water based, polyurethanes, epoxy, clear sealers, hardening treatments, acrylics.

Outcomes and performance criteria

Outcome 1

Confirm flooring job and specifications and select equipment.

Performance criteria

- 1.1 Job is confirmed to be consistent with job sheet in accordance with workplace procedures.
- Range includes but is not limited to – client name, location, access, area, environment.
- 1.2 Job specifications are confirmed to be consistent with client's requirements and job sheet.
- 1.3 Materials are selected for the job are consistent with the assessment of the floor condition and workplace procedures.
- 1.4 Equipment is selected in accordance with the job specifications.
- Range may include but is not limited to – handtools, fire extinguisher, wet and dry vacuum cleaner, rubbish bags, floor grinder, floor scrubber.

Outcome 2

Prepare and fine grind floors.

Performance criteria

- 2.1 Site check is undertaken in accordance with workplace procedures.
- Range includes but is not limited to – moisture content, age and history, porosity and presence of contaminants.
- 2.2 Work area is readied to fine grinding stage in accordance with workplace procedures and manufacturers' specifications.
- Range may include but is not limited to – ambient temperature within specified tolerances, moisture content within specified tolerances, whiteware and fittings removed, area cleaned.
- 2.3 Dust and shade protectors are fitted, and computer systems, gas equipment and appliances, and alarm systems are deactivated in accordance with manufacturers' specifications.
- 2.4 Any ventilation required for the job is in accordance with workplace procedures and HSE Act requirements.
- 2.5 Floor is ground through coarse, medium and fine grindings in accordance with job specifications.

Outcome 3

Apply resin floor coatings.

Performance criteria

- 3.1 Resin floor coatings selected meet with the client's requirements and comply with manufacturers' specifications for the product and the floor type.
- 3.2 Application of coatings complies with the manufacturers' specifications and workplace procedures.
- 3.3 Coating, polishing and vacuuming is carried out between subsequent coats, in accordance with job specifications.
- 3.4 Coating accessories are installed in accordance with manufacturers' specifications.
- 3.5 Floor maintenance instructions and warranty provisions are provided to client in accordance with workplace procedures.

Outcome 4

Maintain a safe working environment.

Performance criteria

- 4.1 Work practices are carried out without injury to people or damage to equipment, building, or plant, in accordance with workplace procedures.
- 4.2 Personal protective equipment for the task at hand is selected and worn in accordance with manufacturers' specifications and workplace procedures.

Range includes but is not limited to – ear muffs, safety glasses, gloves, mask, knee pads.
- 4.3 Safety notices are distributed, and signs bearing notification of work are erected in accordance with workplace procedures.
- 4.4 Work area is kept clear of debris and unnecessary equipment in accordance with workplace procedures.

Outcome 5

Complete job records.

Performance criteria

- 5.1 Job sheets are completed in accordance with workplace procedures.
- 5.2 Records are stored in accordance with workplace procedures.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	18 February 2011	31 December 2023
Review	2	25 November 2021	31 December 2023

Consent and Moderation Requirements (CMR) reference	0175
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

This unit standard is expiring