

Title	Demonstrate knowledge of the characteristics of chemicals used in the flooring industry		
Level	4	Credits	14

Purpose	<p>This unit standard is for experienced people working in the flooring industry.</p> <p>People credited with this standard are able to: describe the properties of types of chemicals used in the flooring industry; select chemicals for flooring requirements; and explain Safety Data Sheets (SDS) for chemicals used in the flooring industry.</p>
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Classification	Construction Trades > Flooring
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Available grade	Achieved
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Guidance Information

- 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 Act 1992; Hazardous Substances and New Organisms Act 1996; *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.
- Definitions

Workplace procedures are all authorised instructions, processes and work practices carried out in the workshop, factory, shop and worksite.

Chemicals in this standard are both flammable and non-flammable and may include adhesives, resins and fillers.

Outcomes and performance criteria

Outcome 1

Describe the properties of types of chemicals used in the flooring industry.

Performance criteria

- 1.1 Flammable chemicals are described in terms of their properties.

Range properties may include but are not limited to – open time, tack time.

- 1.2 Flammable chemicals are described in terms of their flashpoints.
- Range flammable chemicals may include but are not limited to – spirit-based, neoprene, urethane, petroleum, resins, hardeners, catalysts.
- 1.3 Non-flammable chemicals are described in terms of their chemical properties.
- Range properties may include but are not limited to – open time, tack time;
non-flammable chemicals may include but are not limited to – contact, latex, acrylic, rubber based.

Outcome 2

Select chemicals for flooring requirements.

Performance criteria

- 2.1 Chemicals selected meet the work requirements in accordance with manufacturers' specifications.
- 2.2 Chemicals selected meet the site conditions in accordance with manufacturers' specifications and workplace procedures.
- Range may include but is not limited to – temperature, relative humidity, chemical compatibility.

Outcome 3

Explain Safety Data Sheets (SDS) for chemicals used in the flooring industry.

Performance criteria

- 3.1 The explanation includes the information on the toxicity and flammability of the product in accordance with the manufacturers' specifications.
- 3.2 The explanation includes the instructions for the safe handling of the product in accordance with the manufacturers' specifications.
- Range includes but is not limited to – personal safety equipment, first aid measures for each product, shelf life, disposal of product.

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	29 May 2000	31 March 2017
Revision	2	18 February 2004	31 March 2017
Review	3	26 March 2007	31 March 2017
Review	4	18 February 2011	31 December 2023
Review	5	25 November 2021	31 December 2023

Consent and Moderation Requirements (CMR) reference

0175

This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.