

40505 Apply paint by spray methods

Kaupae Level	3
Whiwhinga Credit	15
Whāinga Purpose	<p>This skill standard is for people intending to complete qualifications and credentials in the painting and decorating trades.</p> <p>People with this skill standard have the skills to identify materials and area preparation requirements, setting up and testing spray painting equipment, and applying paint using spray methods.</p> <p>The skill standard aligns with the New Zealand Certificate in Painting and Decorating (Level 4) with strands in Spray Systems, Wallcoverings and Specialised Coatings [Ref: 3568].</p>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Identify safety and preparation requirements for spray painting.	a. Process and requirements for setting up area for spray painting are described accurately.
	b. Common hazards and the use of the appropriate Personal Protective Equipment (PPE) are identified and used in accordance with legislative requirements to minimize risks during spray painting.
	c. Ventilation required and the process for keeping application area free from overspray and dust are identified.
	d. Process of mixing and adjusting paint viscosity is explained in accordance with manufacturer's specifications.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
2. Test functionality of spray painting equipment.	a. The lines for the spray system are tested to prevent injection injuries and penetration into the skin of workers and others in accordance with manufacturer specifications.
	b. Fittings for function and security prior are checked prior to use in accordance with manufacturer's specifications.
	c. Safety devices and the process for testing are applied correctly.
	d. The spray painting equipment is operated correctly.
3. Apply paint using spray methods.	a. Paint is applied to the surface to achieve an even finish.
	b. Possible defects are identified in paint application and any required corrective action is taken to achieve an even finish.

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

Assessment specifications:

The candidate must be capable of preparing application area and materials and applying paint using spray methods to substrate surfaces in accordance with worksite requirements.

Evidence is required of application on any two of the following substrate surfaces:

- timber
- steel
- plaster board.

Spray methods refers to the techniques or processes used to apply the spray which may include techniques related to angle, distance and motion.

To achieve this standard the candidate must be capable of consistently:

- performing the skill in a safe manner
- performing the skill to the required industry standard
- performing the skill in an environmentally sustainable manner
- repeating the skill on demand.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content**Technical skills and knowledge**

- Interpreting spray painting project instructions.
- Health and Safety considerations.
- Common hazards associated with spray painting, such as exposure to toxic fumes, skin contact with chemicals, and fire risks.
- Use of appropriate PPE for respiratory protection and protective clothing.
- Protection of adjoining surfaces to application area.
- Spray painting materials plants, equipment, tools, and accessories.
- Mixing process and paint viscosity.
- Application to different substrates surfaces.
- Spraying doors, windows, skirtings, walls.
- Manufacturer's product data specifications.
- Safety requirements, including protection of surfaces against overspray/dust and ventilation management.
- Checking tools and equipment for serviceability and security.
- Reinstalling doors and windows.
- Communication, literacy, and numeracy.
- Required types and standards of documentation.
- Project communication.

Rauemi | Resources

Legislation available at <http://legislation.govt.nz>

- Health and Safety at Work Act 2015.
- Resource Management Act 1991.
- Hazardous Substances and New Organisms Act 1996.

NZ Standards available at <http://www.standards.co.nz/>

- AS/NZS 2311:2017 *Guide to the painting of buildings*.
- AS/NZS 4114.1:2003. *Spray painting booths, designated spray painting areas and paint mixing rooms – Design, construction, and testing*.

Pārongo Whakaū Kouna | 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 > Painting and Decorating
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0048

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	24 April 2025	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 27411.		
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.