

Title	Cut and apply vector format vinyl graphics for signmaking		
Level	3	Credits	10

Purpose	<p>This unit standard is for people working in the signmaking industry.</p> <p>People credited with this unit standard are able to: cut vector format vinyl graphics for signmaking; and apply vinyl to sign substrates.</p>
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Classification	Sign Making > Sign Making - Core
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Available grade	Achieved
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Guidance Information

- 1 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:
Health and Safety at Work Act 2015.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.

- 2 **Definitions**
Service information – refers to the recommended use and maintenance of machinery, tools and equipment by the manufacturer or supplier.
Workplace procedures – refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace, and are consistent with manufacturer's requirements. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the signmaking sector.
- 3 **Assessment information**
Evidence presented for assessment against this unit standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

Outcomes and performance criteria

Outcome 1

Cut vector format vinyl graphics for signmaking.

Performance criteria

- 1.1 Check vector file for accuracy to ensure conformance with overall dimensions and scale.
- 1.2 Manipulate file to minimise waste and create any required colour registration markers.
- 1.3 Select vinyl to meet colour and durability requirements.
- 1.4 Load vinyl into plotter.
- 1.5 Set plotter, and make and weed a test cut to verify settings.
Range settings verification – blade type, offset, speed, pressure.
- 1.6 Weed cut vinyl.
- 1.7 Select application tape and load in dispenser to suit cut vinyl, without overlaps.
- 1.8 Apply application tape so that there are no bubbles or creases and without overlaps.
- 1.9 Trim application tape to suit vinyl graphic size.

Outcome 2

Apply vinyl to sign substrate.

Performance criteria

- 2.1 Prepare substrate surface for graphics and clean with appropriate cleaning solution.
- 2.2 Transfer registration points and reference marks onto substrate from vector file measurements.
- 2.3 Tape graphics temporarily into position.
- 2.4 Dry apply graphics without creases or bubbles in correct location and colour alignment.
Range at least one application must include multi coloured graphics.
- 2.5 Clean sign and remove registration points and reference marks.

2.6 Clean and tidy work area.

Planned review date	31 December 2027
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	20 April 2017	31 December 2025
Review	2	29 September 2022	N/A

Consent and Moderation Requirements (CMR) reference	0013
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact the Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council qualifications@hangaarorau.nz if you wish to suggest changes to the content of this unit standard.