Australian Government

CPCCSG3002 Produce and apply vinyl signs

Release: 1

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Modification History

Release 1.

This version first released with CPC Construction, Plumbing and Services Training Package Version 2.

Revised unit of competency. Replaces superseded non-equivalent CPCCSI3001A Produce vinyl signage and CPCCSI3004A Apply advanced vinyl applications.

Application

This unit of competency specifies the outcomes required to produce simple and complex vinyl signs using relevant software, vinyl plotters and weeding tools.

The unit supports sign manufacturers who produce vinyl signs according to client requirements, for attachment to a range of surfaces, including vehicles, metals and glass.

Vinyl signs can be used for advertising, promotional, branding or directional purposes.

No licensing, legislative, regulatory or certification requirements apply to this unit of competency at the time of endorsement.

Pre-requisite Unit

Nil

Competency Field

Signs and graphics

Unit Sector

Construction

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the range of conditions.
1 Plan and prepare to produce vinyl sign.	1.1 Job requirements are identified from drawings, specifications and client brief, confirmed, and applied to planning and preparation.

		1.2	*Health and safety requirements* are identified and applied to planning.
		1.3	*Tools, equipment* and *materials* are selected and prepared to carry out tasks consistent with job requirements, and faults are identified and reported.
		1.4	Correct vinyl type is selected according to planned application and durability requirements.
		1.5	Sign is set out to scale using industry-recognised software and prepared for production using vinyl plotter.
2	Operate software and vinyl plotter.	2.1	File is checked for correct layout according to job requirements, and modifications are made before sending file to plotter.
		2.2	Media is accurately loaded on to plotter and tracking is checked for accuracy.
		2.3	*Vinyl* plotter cutting pressure and speed settings are adjusted to suit media.
		2.4	Cut area dimensions are determined and set to suit media.
		2.5	File is configured and sent to plotter and finished output is carefully removed from plotter.
		2.6	Vinyl sign elements are carefully removed using weeding tools and sign is checked to be free of defects.
		2.7	Finished vinyl sign is cut, ensuring minimum waste and no damage to vinyl.
3	Apply vinyl sign to surface.	3.1	Surface is cleared of previously applied adhesives minimising risk of damage to surface, cleaned and dried ready for vinyl application.
		3.2	Application tape is applied to vinyl sign, squeegeed evenly and firmly to sign, and excess tape is trimmed off.
		3.3	Required heights and levels are identified from job requirements and applied to surface and vinyl sign using

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levelling tools.

	3.4	Vinyl sign is positioned and applied to prepared surface using tools and techniques and according to job requirements.
	3.5	Application tape is removed, sign is checked, and any defects in application are rectified.
4 Clean up.	4.1	Sign and surrounding surface area are cleaned and waste materials removed according to statutory and regulatory authority requirements.
	4.2	Tools and equipment, including personal protective equipment (PPE), are cleaned, maintained and stored according to workplace requirements.

Foundation Skills

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria.

Skill	Performance feature
Learning skills to:	• apply key principles and techniques of sign manufacture when producing and applying vinyl signs.
Numeracy skills to:	• calculate material quantities and sign dimensions appropriate to the production and application of vinyl signs.
Oral communication skills to:	• clarify job requirements and client expectations with client and colleagues.
Reading skills to:	• identify and interpret manufacturer specifications for tools, equipment and materials used when producing vinyl signs.
Writing skills to:	• report faults in tools and equipment to manufacturers and other relevant personnel.

This section describes the language, literacy, numeracy and employment skills essential to performance in this unit but not explicit in the performance criteria.

Skill	Performance feature
Technology skills to:	• set up and manage files and software used to produce vinyl signs.

Range of Conditions

This section specifies work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Bold italicised wording, if used in the performance criteria, is detailed below.

Health and safety requirements must include:	• selection, correct fitting, and use of PPE prescribed under legislation, regulations, and workplace policies and practices
	 • emergency procedures, including:
	   • evacuation
	   • first aid
	   • location and use of firefighting equipment
	 • hazard identification and risk control procedures
	 • safe operating procedures, including the conduct of operational risk assessment and treatments associated with:
	   • lighting
	   • use of tools and equipment
	 • workplace environmental requirements.

Tools and equipment must include:	• levelling tools • metal rules • scissors • squeegees • vinyl plotter • weeding tools.
Materials must include:	• application fluid • application tape • marking pencils • surface cleaning and preparation chemicals

- vinyl.

Vinyl types must include:	calendered:
	     • monomeric
	     • polymeric
	• cast
	• air egress material for vehicle wraps.

Unit Mapping Information

No equivalent unit.

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=7e15fa6a-68b8-4097-b099-030a5569b1ad