

Title	Produce process colour work for fibreboard packaging		
Level	4	Credits	20

Purpose	People credited with this unit standard are able to: check documentation and confirm that the components and equipment required for the job are available; carry out all pre-production checks and preset the machine; achieve colours to meet job requirements prior to production running; print three or four colour process work to meet job requirements; confirm job is completed and undertake post production tasks.
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Classification	Fibreboard Packaging > Fibreboard Packaging Production
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Available grade	Achieved
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Prerequisites	Unit 340, <i>Demonstrate knowledge of safe working practices in the print industry</i> , or demonstrate equivalent knowledge and skills.
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Guidance Information

- 1 Candidates must follow any applicable and recognised codes of practice, and documented workplace health, safety, and environmental procedures for personal, product, workplace health, safety, and environmental matters, and the obligations required under current law including the Health and Safety in Employment Act 1992 and its subsequent amendments.
- 2 Candidates undertaking assessment against this unit standard must provide evidence of being responsible for making ready and running a converting machine with at least three print stations to produce three or more colour process printed board in a single pass with requirements for registration, trapping and alignment.
- 3 Candidates undertaking assessment against this unit standard must provide evidence of normal colour vision. Further information on the Communications and Media Industry Training Organisation's (CMITO) training policy for colour vision can be obtained from CMITO, PO Box 31131, Lower Hutt 5040 or www.cmito.co.nz.
- 4 **Definitions**
Job documentation refers to the documentation that is used in the workplace that contains the instructions and requirements for a particular production job. This may include but is not limited to workplace orders, production orders, workplace specifications, samples, lay cards.

Job requirements refer to specific requirements for the job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the workplace.

Machine requirements refer to the specific requirements for the machine being operated as set out in the operating manual or in accordance with workplace practices.

Process work refers to the use of a dot-on-dot screen process using any three colour or four colour combination of the three primary colours and black in a single printing pass to produce colour to specification by a mingling of the colours used.

Specified colours refer to those colours that are determined by workplace practices for the job being produced, and take into account job and machine requirements.

Workplace practices refer to the documented procedures for the machine and/or workplace.

5 Recommended skills and knowledge:

Unit 27783, *Produce multi colour printed board for fibreboard packaging*.

Outcomes and performance criteria

Outcome 1

Check documentation and confirm that the components and equipment required for the job are available.

Performance criteria

- 1.1 Job documentation is checked to ensure that all specifications for the process being undertaken are complete and any discrepancies are reported in accordance with workplace practices.
- 1.2 Components required for the job are checked against job documentation and their availability and preparedness is confirmed.
- 1.3 Availability of equipment, as determined by the job documentation, is confirmed.

Outcome 2

Carry out all pre-production checks and preset the machine in accordance with workplace practices.

Performance criteria

- 2.1 Checks are made in preparation for production run.

Range checks include but are not limited to – ink specifications, board calliper, machine specifications, operating instructions.
- 2.2 Presetting of the machine is made in accordance with job documentation and any problems arising are rectified or reported.

Outcome 3

Achieve colours to meet job requirements prior to production running.

Performance criteria

- 3.1 Registration and impression accuracy for all colours meet workplace practices.
- 3.2 Ink checks are carried out in accordance with workplace practices and adjustments are made, as necessary, to bring ink within the job specifications for each colour station.
- 3.3 Specified colours are achieved in accordance with workplace practices to meet job requirements.

Outcome 4

Print three or four colour process work in accordance with workplace practices to meet job requirements.

Performance criteria

- 4.1 Checks are undertaken during production running and any faults arising, or potential faults identified, are immediately rectified or reported.
- 4.2 Production is maintained ensuring that production standards and quality are achieved.

Range includes but is not limited to – machine requirements, printing requirements, production requirements other than for printing, board dimensions, board flatness or warp, board moisture content, board grammage, board faults or freedom from faults, run length, number of ups.

Outcome 5

Confirm job is completed and undertake post production tasks in accordance with workplace practices.

Performance criteria

- 5.1 Quantity printed and other job requirements are checked against job documentation before removing job from machine and any discrepancies in quantity are rectified.
- 5.2 Correct shut-down sequence is followed.
- 5.3 Job documentation is completed and any amendments and variations are noted for future reference.
- 5.4 Other post production tasks are carried out as required by the job documentation.

Replacement information	This unit standard was replaced by skill standard 40353. This unit standard replaced unit standard 10110.
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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	20 September 2012	31 December 2027
Review	2	28 November 2024	31 December 2027

Consent and Moderation Requirements (CMR) reference	0005
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.