

<b>Title</b>	<b>Apply coatings using a sheet-fed press</b>		
<b>Level</b>	<b>4</b>	<b>Credits</b>	<b>12</b>

<b>Purpose</b>	People credited with this unit standard are able to: check job documentation and confirm that the requirements for the job are available; select and prepare coating, set up the press for coating, take a proof and prepare for coating; maintain operation of the coating process and rectify or report any problems; and check job is complete before wash-up, and undertake post-press tasks.
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<b>Classification</b>	Printing > Printing - Sheet-Fed
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<b>Available grade</b>	Achieved
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<b>Prerequisites</b>	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 Legislation, regulations and/or industry standards relevant to this unit standard include but are not limited to the:

- Hazardous Substances and New Organisms Act 1996;
- Health and Safety at Work Act 2015;
- Privacy Act 2020;
- Resource Management Act 1991.

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

*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 print 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 of the print workplace and/or organisation.

*Workplace procedures* refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. 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, manufacturer's requirements, 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 print sector.

### 3 Assessment information

Evidence presented for assessment against this unit standard must meet job requirements, and must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

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## Outcomes and performance criteria

### Outcome 1

Check job documentation and confirm that the requirements for the job are available.

#### Performance criteria

- 1.1 Check job documentation to ensure that all specifications for the process being undertaken are complete, and report any discrepancies.
- 1.2 Check required job components against the job documentation and confirm their availability.
- 1.3 Confirm equipment is available, as determined by the job documentation.

### Outcome 2

Select and prepare coating.

#### Performance criteria

- 2.1 Select coating, check quality and suitability of coating, and rectify or report any problems.
- 2.2 Prepare coating and additive.
  - Range includes but is not limited to – correct weight and volume, minimum wastage, viscosity.

### Outcome 3

Set up the press for coating.

**Performance criteria**

- 3.1 Set up press for coating and make adjustments.
- 3.2 Select correct anilox roller for the application rate, if used in the workplace.
- 3.3 Cover non-image areas using either a coating blanket or a plate that is suitable for the job.
- 3.4 Set coating temperature.
- 3.5 Set up and adjust drying system.

**Outcome 4**

Take a proof and prepare for coating.

**Performance criteria**

- 4.1 Take proof and visually inspect and test.
- 4.2 Fine-tune press to achieve the required production standards.  
  
Range            may include but is not limited to – pressures, inking, register, delivery, viscosity, temperature, infrared (IR) unit, ultra-violet (UV) unit, spray unit.
- 4.3 Pass proof for production run and obtain approval to run.

**Outcome 5**

Maintain operation of the coating process and rectify or report problems.

**Performance criteria**

- 5.1 Monitor coating process and adjust as required to meet the job requirements.
- 5.2 Monitor quality and viscosity of varnish coatings and adjust as required to meet job requirements.
- 5.3 Rectify or report faults found during the coating.

**Outcome 6**

Check job is complete before wash-up, and undertake post-press tasks.

**Performance criteria**

- 6.1 Check quantity coated against job documentation before wash-up is commenced or blanket/plate is removed from cylinder.
- 6.2 Rectify or report any discrepancies in quantity.

- 6.3 Explain correct shut-down sequence.
- 6.4 Complete job documentation.
- 6.5 Note amendments and variations on the job documentation for future reference.
- 6.6 Carry out other post-press tasks as required by the job documentation.
- Range knock up and sort job, prepare for forwarding to next process.

<b>Planned review date</b>	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	18 June 2010	31 December 2027
Review	2	30 March 2023	N/A
Revision	3	27 February 2025	N/A

<b>Consent and Moderation Requirements (CMR) reference</b>	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 Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) if you wish to suggest changes to the content of this unit standard.