

Apply coatings using a sheet-fed press

Level 4

Credits 12

Purpose 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 to meet the job requirements in accordance with workplace practices; set up the press for coating to meet job requirements in accordance with workplace practices; take a proof and prepare for coating to meet job requirements in accordance with workplace practices; maintain operation of the coating process and rectify or report problems in accordance with workplace practices; and check job is complete before wash-up and undertake post-press tasks.

Subfield Printing

Domain Printing - Sheet-Fed

Status Registered

Status date 18 June 2010

Date version published 18 June 2010

Planned review date 31 December 2015

Entry information Prerequisite: Unit 340, *Demonstrate knowledge of safe working practices in the print industry*, or demonstrate equivalent knowledge and skills.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Competenz

Accreditation and Moderation Action Plan (AMAP) reference 0005

This AMAP can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Special note

- 1 All workplace practices must meet 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, Resource Management Act 1991, and their subsequent amendments.

2 Definitions

coatings refer to the application of a thin film of material to a substrate to enhance the appearance and provide protection to the printed product. Coatings may include but are not limited to carton carbonless, latex, wax, resin and metallic coatings, aqueous and UV varnishes and press varnishes;

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 factory orders, production orders, factory 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;

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

Elements and performance criteria

Element 1

Check job documentation and confirm that the requirements 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 the job documentation and their availability is confirmed.
- 1.3 Availability of equipment, as determined by the job documentation, is confirmed.

Element 2

Select and prepare coating to meet the job requirements in accordance with workplace practices.

Performance criteria

- 2.1 Coating is selected, quality and suitability of coating are checked, and any problems are solved or reported.
- 2.2 Coating and additive are prepared.

Range includes but is not limited to – correct weight and volume, minimum wastage, viscosity.

Element 3

Set up the press for coating to meet the job requirements in accordance with workplace practices.

Performance criteria

- 3.1 Press is set up for coating and adjustments are made.
- 3.2 Non-image areas are covered using either a coating blanket or a plate that is suitable for the job.
- 3.3 Coating temperature is set.
- 3.4 Drying system is set up and adjusted.

Element 4

Take a proof and prepare for coating to meet job requirements in accordance with workplace practices.

Performance criteria

- 4.1 Proof is taken and visually inspected and tested.
- 4.2 Press is fine-tuned ensuring the required production standards are achieved.

Range may include but is not limited to – pressures, inking, register, delivery, viscosity, temperature, infrared (IR) unit, spray unit.
- 4.3 Proof is passed for production run and approval to run is obtained.

Element 5

Maintain operation of the coating process and rectify or report problems in accordance with workplace practices.

Performance criteria

- 5.1 Coating process is monitored and adjusted as necessary to meet the job requirements.
- 5.2 Quality and viscosity of varnish coatings are monitored and adjusted as necessary to meet job requirements.
- 5.3 Faults found during the coating process are rectified or reported.

Element 6

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

Performance criteria

- 6.1 Quantity coated is checked against job documentation before wash-up is commenced or blanket/plate is removed from cylinder.
- 6.2 Any discrepancies in quantity are rectified or reported in accordance with workplace practices.
- 6.3 Correct shut-down sequence is followed in accordance with workplace practices.
- 6.4 Job documentation is completed in accordance with workplace practices.
- 6.5 Amendments and variations are noted on the job documentation for future reference in accordance with workplace practices.
- 6.6 Other post-press tasks are carried out as required by the job documentation and in accordance with workplace practices.

Range knock up and sort job, prepare for forwarding to next process.

Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact Competenz info@competenz.org.nz if you wish to suggest changes to the content of this unit standard.