

Prepare, handle and store substrates required for screen printing

Level 3

Credits 8

Purpose People credited with this unit standard are able to demonstrate knowledge of substrates used in the workplace for screen printing, and prepare, handle and store substrates used for screen printing.

Subfield Printing

Domain Printing - Screen

Status Registered

Status date 21 February 2005

Date version published 12 December 2008

Planned review date 31 December 2010

Entry information Prerequisite: Unit 340, *Demonstrate knowledge of safe working practices in the printing and graphic pre-press industries*, or demonstrate equivalent knowledge and skills.

Recommended: Unit 21328, *Demonstrate industry knowledge for screen printing*, or demonstrate equivalent knowledge and skills.

Replacement information This unit standard replaced unit standard 5132, unit standard 5133, and unit standard 5134.

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 notes

- 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, Hazardous Substances and New Organisms Act 1996, Resource Management Act 1991, Privacy Act 1993 and their subsequent amendments.
- 2 *Workplace practices* refer to the documented procedures for the machine and/or workplace.

Elements and performance criteria

Element 1

Demonstrate knowledge of substrates used in the workplace for screen printing.

Performance criteria

- 1.1 Substrates commonly used for screen printing are identified and those used in the workplace are described.

Range may include – paper, board, plastic, metal, rubber, glass, ceramics, textiles.
- 1.2 Substrates used for screen printing are identified in terms of their characteristics.

Range may include but is not limited to – grammage, calliper, bulk value, smoothness, opacity, transparency, coatings, absorbency, strength, colour, flexibility, size, dimensional stability, job suitability, grain direction, texture, surface finish, dye migration, post print migration.
- 1.3 Effects of workplace conditions on substrates are described.

Range humidity, static, airflow, temperature.

Element 2

Prepare, handle and store substrates used for screen printing.

Performance criteria

- 2.1 Substrate characteristics from the range in performance criterion 1.2 which are likely to cause problems are identified.
- 2.2 Substrate is confirmed as meeting the requirements of the job specifications.

2.3 Substrate quantity, including overs, is calculated and quantity issued is confirmed against the job specifications.

2.4 Handling and storage of substrates are carried out in accordance with workplace practices.

Range may include
handling – clean working environment, clean hands, carrying methods, stacking, knocking up, grain direction, working side, avoidance of damage to substrate, avoidance of personal injury, static electricity, wavy edges;
storage – light, temperature, airflow control, relative humidity, age (stock rotation), ease of access.

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](mailto:Competenz_info@competenz.org.nz) if you wish to suggest changes to the content of this unit standard.