

Demonstrate knowledge of fabric finishing processes and technology

Level 5

Credits 20

Purpose This unit standard is for people working in or intending to work in senior plant management or technical positions in the textile industry or who require an understanding of the fabric finishing processes. People credited with this unit standard are able to demonstrate knowledge of wet and dry finishing and chemical treatments that are applied to fabric.

Subfield Textiles Manufacture

Domain Fabric Finishing

Status Registered

Status date 20 November 2009

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Entry information Open.

Accreditation Evaluation of documentation and visit by NZQA and industry.

Standard setting body (SSB) Competenz

Accreditation and Moderation Action Plan (AMAP) reference 0030

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

Special notes

None.

Elements and performance criteria

Element 1

Demonstrate knowledge of dry finishing.

Performance criteria

- 1.1 Dry finishing processes are identified and described in terms of the principles involved, effects on the fabric, and the reasons for application.
- Range raising, singeing, shearing or cropping, pressing, decatizing or blowing, calendaring, compressive shrinking, heat setting, stentering, sueding, embossing, Schreinerling, tubular finishing, drying.
- 1.2 Dry finishing machines and their operating conditions are described in terms of their operation and function.
- Range raising, singeing, shearing or cropping, pressing, decatizing or blowing, calendaring, compressive shrinking, heat setting, stentering, sueding, embossing, Schreinerling, tubular finishing, drying.
- 1.3 Dry finishing routines for common fabric types are described.
- Range blankets, upholstery, woven furnishing fabric, knitted furnishing fabric, apparel fabric, knitted apparel fabric.

Element 2

Demonstrate knowledge of wet finishing.

Performance criteria

- 2.1 Wet finishing processes are identified and described in terms of the principles involved, effects on the fabric, and the reasons for application.
- Range scouring, milling, carbonising, mercerising, chlorination, crabbing, London shrinkage, potting, crepeing, felting, beetling, hydroing, tentering.
- 2.2 Wet finishing machines and their operating conditions are described in terms of their operation and function.
- Range scouring, milling, carbonising, mercerising, chlorination, crabbing, London shrinkage, potting, crepeing, felting, beetling, hydroing, tentering.

- 2.3 Wet finishing routines for common fabric types uses are described.
- Range blanketing, woven apparel, knitted apparel, woven furnishing, knitted furnishing, billiard cloth.

Element 3

Demonstrate knowledge of chemical treatments that are applied to fabric.

Performance criteria

- 3.1 Chemical treatments that are applied to fabrics are described in terms of the principles involved, effects on the fabric and the reasons for application.
- Range anti-microbial, insect resistance, flame retardency, water repellency, soil and stain resist, antistat, anti-pilling, softening, stiffening, dimensional stability, shrink resist, crease resistance.
- 3.2 Chemical treatment application equipment and methods are described in terms of operation and operating conditions for the process.
- Range pad, spray, coating rollers, blade applicators, rotary screen, foam applicator, vacuum slot.
- 3.3 Fabric finishing chemicals and effluent are described in terms of handling, storage and disposal.

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.