



Australian Government

Department of Education, Employment and Workplace Relations

LMTTX5001A Determine textile finishing processes

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge required to determine appropriate textile finishing processes within a textile manufacturing environment.

Application of the Unit

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The unit applies to the selection of standard textile finishing processes within a textile manufacturing environment to ensure products and processes meet specifications, specified job requirements and standards of quality and design. Finishing processes and procedures are documented using standard recording procedures.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

The application of this unit is according to OHS practices of the enterprise and workplace practices, which may include:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- standard operating procedures
- work instructions
- oral, written and visual communication
- quality practices, including responsibility for maintenance of own work quality and contribution to quality improvement of team or section output
- Housekeeping tasks related to environmental protection, waste disposal, pollution control, and recycling

This unit requires the application of skills associated with problem solving and planning and organising to determine requirements for textile finishing. This unit also requires an ability to test and validate finishing procedures and identify deviations from specifications. Communication skills will be used to interpret finishing specifications, analyse information, and document procedures.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

LMTTX4001A

LMTTX4002A

Employability Skills Information

Employability Skills This unit contains employability skills.

Elements and Performance Criteria Pre-Content

Not applicable.

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1 Interpret finishing specifications	1.1 Specifications applying to textile finishing process are obtained and interpreted correctly from data sheets, production schedules or process specifications 1.2 Materials required for the textile finishing are correctly determined including quantity and quality, and testing undertaken if required to confirm material specifications 1.3 Implications of required specifications on process are identified and considered in determining process requirements 1.4 Clarification of specifications is undertaken as required using appropriate information resources
2 Determine procedures for textile finishing	2.1 Finishing process most appropriate to required outcomes is identified 2.2 Required equipment, tools and materials are selected and evaluated for purpose 2.3 Material requirements are determined using appropriate calculations 2.4 Finishing procedures, formulas and relevant specifications are determined and documented using standard procedures 2.5 OHS practices are applied in finishing procedures
3 Confirm finishing	3.1 Textile finishing procedures and formulas are tested and validated 3.2 Deviations from specifications are noted and documented and further testing conducted to determine variations required to procedures 3.3 Finishing procedures and formulas are adjusted as required to ensure specifications are achieved 3.4 Textile finishing procedures are documented and communicated to appropriate personnel for future application

Required Skills and Knowledge

This describes the essential skills and knowledge and their level, required for this unit.

Demonstrates knowledge of:

- textile industry terminology
- international and Australian specification standards
- TCF production processes
- TCF products and materials
- systems and formula used in textile calculations
- properties of materials
- finishing processes
- finishing equipment, tools and materials
- quality practices
- workplace practices
- practices for recording and reporting
- OHS practices and procedures
- lines of authority

Demonstrates skills to:

- read, interpret and follow specification information, standard operating procedures and work instructions, and other reference material
- apply finishing techniques
- select appropriate finishing equipment, tools and materials
- recognise, rectify and report deviations from specifications
- record and document procedures
- maintain accurate records
- communicate within the workplace
- sequence operations
- clarify and check task-related information
- carry out work according to OHS practices

Evidence Guide

The Evidence Guide provides advice on assessment and must be read in conjunction with the Performance Criteria, Required Skills and Knowledge, the Range Statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence	Demonstrates skills and knowledge to: • interpret specifications relevant to textile finishing • convert specification formats accurately as required • select and apply correct formulas • undertake textile calculations • Determine procedures for finishing processes • record calculations accurately • apply OHS practices in work operations
Consistency in performance	Consistently applies skills and knowledge when: • organising work • completing tasks • working systematically with attention to accuracy • identifying improvements and avoiding damage • using workplace practices • using OHS practices • recording and reporting accidents and incidents • recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
Resource implications	Access is required to real or appropriately simulated situations, including work areas, materials and equipment, and to information on workplace practices and OHS practices.
Context for assessment	Assessment may occur on the job or in an appropriately simulated environment
Interdependent assessment	This unit may be assessed independently or in combination with other relevant units.

Range Statement

RANGE STATEMENT

The range statement relates to the unit of competency as a whole. It allows for different work environments and situations that may affect performance. Bold italicised wording, if used in the Performance Criteria, is detailed below. Add any essential operating conditions that may be present with training and assessment depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts.

Legislative/regulatory requirements	All work must comply with relevant Federal and State or Territory legislative or regulatory requirements.
Textile finishing process may include	• colouration • washing • bleaching • curing • heating • raising • cropping • decatizing • milling • proofing
Materials used in the textile finishing may include	• dyes • bleaches • chemicals • pastes
Calculations may include	• ratio • mass or weight • volume • time • dimensions
Specifications applying to textile finishing may include	• percentage • volumes • mass • heating and cooling rates • length and width
Equipment, tools and materials may include	• standard finishing machines as specified by the finishing process
Resources and search techniques	• standard operating procedures, safety procedures, job lists, manufacturer manuals, specifications, textile production patterns and machine settings, Australian and International Standards, trade journals, quality system documentation customer requirements, workplace and site procedures and manuals,

industry manuals, codes of practice, awards, legislation, plans, diagrams, log books

- hard copy or electronic data
- key personnel, supervisors, trainers, colleagues
- using index, table of contents, numbering and classification systems, etc.
- computer database search or look-up, questioning, cross-referencing
- basic techniques to identify relevant information including skimming and scanning, identifying key words and ideas, etc.

OHS practices

OHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific to the tasks described by this unit, and may relate to:

- manual handling techniques
- standard operating procedures
- personal protective equipment
- safe materials handling
- taking of rest breaks
- ergonomic arrangement of workplaces
- following marked walkways
- safe storage of equipment
- housekeeping
- reporting accidents and incidents
- environmental practices

Unit Sector(s)

Sector

Textile Production