

TEXTILE FINISHING

UNIT CODE: ENG/CU/TXP/CR/04/5/A

Relationship to Occupational Standards

This unit addresses the unit of competency: **Perform textile finishing**

Duration of Unit: 130 hours

Unit Description

This unit describes the competencies required by a textile processing craft person to perform textile finishing. It involves competencies required to obtain fabric for finishing, set up finishing machine, carry out mechanical finishes, carry out chemical finishes and document finishing process.

Summary of Learning Outcomes

1. Obtain fabric for finishing
2. Set up finishing machine
3. Carry out mechanical finishes
4. Carry out chemical finishes
5. Document finishing process

Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Obtain fabric for finishing	<ul style="list-style-type: none">• Safety procedures• Properties of the fabric• Operational Standards	<ul style="list-style-type: none">• Oral questions• Written tests• Observation• Practical• Individual assignments• Group assignments
2. Set up finishing machine	<ul style="list-style-type: none">• Types of finishing machines• Finishing machine parameters• Finishing tools and consumables• Finishing Machine Manuals• Equipment's, machinery, sensors and control techniques• Working principle of finishing machines	<ul style="list-style-type: none">• Oral questions• Written tests• Observation• Practical• Individual assignments• Group assignments

	<ul style="list-style-type: none"> • Handling and maintenance of finishing machines • Purposes of finishing machines • Embroidery machines • Chemical finishing recipes 	
3. Carry out mechanical finishes	<ul style="list-style-type: none"> • Calendaring • Sanforizing or preshrinking • Compacting • Embossing • Sueding • Raising or napping • Wool glazing • Shearing • Steaming and heat setting • fulling • New technology in mechanical finishing • Mechanical finishing faults • Mercerisation • Polishing • Corduroy cutting • Decating 	<ul style="list-style-type: none"> • Oral questions • Written tests • Observation • Practical • Individual assignments • Group assignments
4. Carry out chemical finishes	<ul style="list-style-type: none"> • Anti-soil finish/ soil release finish • Antibacterial finish • Water resistant coating • Antistatic properties • Optical brightening • Softening and elastomeric finishes • Flame retardant finishes • Peach finish • Anti-pilling finish • Non-slip finishing • Absorbent finishes • Antimildew finishing • Colourfastness improving finishes • Enzyme finishes • Emerging trends in chemical finishing • Chemical finishing faults 	<ul style="list-style-type: none"> • Oral questions • Written tests • Observation • Practical • Individual assignments • Group assignments

<p>5. Document finishing process</p>	<ul style="list-style-type: none"> • Technical Report writing • Filing and data storage • Documentation tools and equipment • Documentation of control process parameters • Storage of tested finished fabric for conformity to quality 	<ul style="list-style-type: none"> • Oral questions • Written tests • Observation • Practical • Individual assignments • Group assignments
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Suggested Methods of Instruction

- Theory facilitated by trainer
- Demonstration by trainer
- Practical work by trainee(s)
- Group discussions
- Exercises by trainee(s)
- Field trips to textile mills

Recommended Resources

- Chemical finishing machines
- Mechanical finishing machines
- Chemical reagents
- Fabric
- Reference standards
- PPEs
- Documentation tool and equipment
- Stationeries
- Overhead projector/ Black or white board
- Computer and its accessories
- Weighing balance