



Australian Government

Department of Education, Employment and Workplace Relations

LMFSF3006B Chemically join textiles

Revision Number: 1

LMFSF3006B Chemically join textiles

Modification History

Not applicable.

Unit Descriptor

Unit descriptor	This unit covers the competency to use specialised equipment and processes to bond or glue textiles and timber for the manufacture of items, including bonded blinds and padded pelmets.
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Application of the Unit

Application of the unit	
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Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisite units	Nil	

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Elements describe the essential outcomes of a unit of competency.	Performance criteria describe the performance needed to demonstrate achievement of the element. Where bold italicised text is used, further information is detailed in the required skills and knowledge section and the range statement. Assessment of performance is to be consistent with the evidence guide.
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Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
1. Identify the materials and process	1.1.The process and materials to be used are identified 1.2.The effect of the joining process on the materials is determined 1.3.The effect of the chemical reactions on the materials is determined 1.4.Allowances for joining overlaps are checked in workplace documentation and manufacturer instructions 1.5.Curing times are identified for the materials and the process
2. Plan the joining process	2.1.Manufacturer instructions and workplace procedures for the joining task are used in the planning process 2.2.OHS requirements, including ergonomic criteria and personal protection needs, are observed throughout the work 2.3.Work sequence is planned noting appropriate curing/cooling times, efficient work sequence and quality requirements
3. Set up equipment and materials for the process	3.1.Tools, equipment and materials are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition 3.2.Site is checked for appropriate ventilation, fume extraction, protection of other surfaces from contamination with screens and or covers 3.3.Adjustments and settings are made to suit materials, manufacturer instructions and workplace procedures 3.4.Appropriate personal protection equipment is selected and assembled
4. Follow workplace procedures to complete the joining process	4.1.Joining procedures are completed following the planned work sequence 4.2.Checks and tests of the process and the finished product are made 4.3.Appropriate adjustments are made to the process to maintain the quality of the finished product 4.4.Workplace documentation and records are completed as required

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- collect, organise and understand information related to work orders, plans and safety procedures
- communicate ideas and information to enable confirmation of work requirements and specifications, coordination of work with site supervisor, other workers and customers, and the reporting of work outcomes and problems
- plan and organise activities, including the preparation and layout of the worksite and the obtaining of equipment and materials to avoid any back tracking, workflow interruptions or wastage
- work with others and in a team by recognising dependencies and using co-operative approaches to optimise workflow and productivity
- use mathematical ideas and techniques to correctly complete measurements and estimate material requirements
- use pre-checking and inspection techniques to anticipate chemical joining problems, avoid re-working and wastage
- use workplace technology related to chemical joining of textiles, including tools, equipment, materials and measuring devices

Required knowledge

- types, strengths and limitations of chemical joining processes and techniques
- changes in materials during the chemical repair and joining of materials
- testing for potential damage, including dye fastness for the adhesive and materials
- requirements for ventilation and personal protection equipment for the adhesives
- personal health effects of fumes, heat and other radiations

Evidence Guide

EVIDENCE GUIDE

The Evidence Guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.

Critical aspects of evidence

- Locate, interpret and apply information relevant to the chemicals, textiles and timber involved
- Apply safe handling practices for equipment, products and materials
- Select appropriate materials and joining process to match work requirements
- Maintain work area to meet environmental and safety regulations
- Conduct joining process within workplace quality parameters to chemically join at least three different types of textiles
- Follow work instructions, operating procedures and inspection practices to:
 - minimise the risk of injury to self and others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Work effectively with others
- Modify activities to cater for variations in workplace contexts and environment
- Report process or materials faults, damaged products or equipment

Resource implications

Textiles, timber and joining materials, job sheets.

Method of assessment

Assessment methods must confirm consistency of performance over time and in a range of workplace relevant contexts.

Assessment should be by direct observation of tasks and questioning on underpinning knowledge.

Assessment should be conducted over time and will generally be in conjunction with assessment of other units of competency.

Context of assessment

Assessment may occur on the job or in a workplace simulated facility with relevant process equipment, materials, work instructions and deadlines.

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. 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) may also be included.

Chemical joining

This unit covers work involved in the use of solvent and water-based chemicals to join or repair textiles and timber

Unit context

- OHS requirements may include legislation, building codes, material safety management systems, hazardous and dangerous goods codes and local safe operating procedures or equivalent
- Work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
- Work requires individuals to demonstrate discretion, judgement and problem solving skills in the use of chemicals. This may be demonstrated either individually or in a team environment.

Tools and equipment

Tools and equipment may include, but are not limited to glue guns

Personal protective equipment

Personal protective equipment is to include that prescribed under legislation, regulations and enterprise policies and practices

Information and procedures

- Chemical manufacturer specifications and operational procedures
- Workplace procedures relating to the setting and operation of chemicals and machinery
- Work instructions
- Workplace procedures relating to reporting and communication

Unit Sector(s)

Unit sector	Soft Furnishing
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Competency field

Competency field	
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Co-requisite units

Co-requisite units		