



Australian Government

MSFSF3006 Chemically join textiles

Release: 1

MSFSF3006 Chemically join textiles

Modification History

Release 1 - New unit of competency

Application

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

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Competency Field

Unit Sector

Soft Furnishing

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

1	Identify the materials and process for joining	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	Work health and safety (WHS) 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 and 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 used
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

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included. Range is restricted to essential operating conditions and any other variables essential to the

work environment.

- Unit context includes:**
- WHS requirements, including 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 some discretion, judgement and problem solving
- Chemical joining includes:**
- the use of solvent and water-based chemicals to join or repair textiles
- Fabric types include:**
- plain and patterned fabric
 - vinyl
 - velvet
- Personal protective equipment includes:**
- that prescribed under legislation, regulations and enterprise policies and practices
- Information and procedures include:**
- chemical manufacturer specifications and operational procedures
 - workplace procedures relating to the setting and operation of chemicals and machinery
 - workplace procedures relating to reporting and communication
 - manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFSF3006B Chemically join textiles.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>

Assessment Requirements for MSFSF3006 Chemically join textiles

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Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Locate, interpret and apply information relevant to the chemicals and textiles involved and apply safe handling practices for equipment, products and materials
- Select appropriate materials and joining process to match work requirements and conduct the joining process within workplace quality parameters to chemically join at least three (3) textiles, including plain and patterned fabric, vinyl and velvet
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Avoid backtracking, work flow interruptions or wastage
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- 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

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors

- have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
- be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to textiles, joining materials and job sheets.

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