



Australian Government

Department of Education, Employment and Workplace Relations

LMTTF2008A Use adhesives

Revision Number: 1

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Modification History

Not applicable.

Unit Descriptor

Unit descriptor This unit covers the skills and knowledge required to select and safely use adhesives on canvas and sail products.

Application of the Unit

Application of the Unit

This unit applies to the bonding of materials with adhesives on canvas and sail products. Work may be conducted in a variety of environments, such as:

- operational indoor workplaces
- operational outdoor workplaces
- hazardous or exposed conditions

Work may be conducted in small to large scale enterprises and may involve individual and team activities. Work is performed within defined procedures under direct supervision.

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 planning and organising for the safe and effective use of adhesives and textile fabrication technology. This unit also requires communication skills to read and apply workplace information and complete work records. Self management skills are applied to ensure workplace and quality standards are achieved.

Licensing/Regulatory Information

Not applicable.

Pre-Requisites

Prerequisites

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 Prepare work area	1.1 Safe working environment is established 1.2 Suitable electrical power outlets are identified, if required 1.3 Work is sequenced to maximise safety and productivity 1.4 Workplace procedures and instructions are read and interpreted
2 Select, use and store tools	2.1 Appropriate hand tools, <i>power tools</i> and electrical equipment are obtained for the work to be performed 2.2 Tools are examined for damage, missing components or other defects (including frayed power cords where applicable) 2.3 Extension power cables are checked for knots and insulation damage 2.4 Electrical tools are connected safely to power supply 2.5 Safety equipment is used during tool operation in accordance with <i>OHS practices</i> 2.6 Tasks are performed using tools in accordance with safe working practices 2.7 Tools are located in a safe position when not in use 2.8 Tools and extension cords are cleaned and stored in accordance with industry and enterprise safe working practices
3 Select adhesives and prepare for their use	3.1 Nature of materials to be joined is ascertained 3.2 Specified adhesives are obtained 3.3 Appropriate tools and materials are selected for preparation of work piece surfaces and application of adhesive 3.4 Adhesive manufacturer's OHS requirements are checked and prescribed precautions taken before adhesives are used 3.5 Adhesive is prepared to manufacturer's instructions
4 Apply adhesive and bond materials	4.1 Work piece surfaces are prepared for application of adhesive 4.2 Work piece surfaces to be bonded are anchored or otherwise stabilised 4.3 Adhesive is applied in accordance with recommended practice and surfaces are joined 4.4 Joins are allowed to cure for specified time 4.5 Where appropriate, heat to assist in curing the joins is applied to the work piece in accordance with OHS practices 4.6 Knowledge of using adhesives are applied to perform required tasks
5 Inspect and rectify	5.1 Work piece is removed and joins are informally inspected and tested for strength 5.2 Results of informal inspection are verified by supervisor and

ELEMENT	PERFORMANCE CRITERIA
	appropriate action is taken regarding rework or rectification, if necessary
6 Clean up and documentation	6.1 Product is prepared for inspection 6.2 Work area is cleaned and tools and equipment are cleaned and stored in accordance with OHS practices 6.3 Remaining adhesive is safely disposed of or stored in a safe, secure location 6.4 Work records are completed in accordance with workplace requirements

Required Skills and Knowledge

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

Demonstrates knowledge of:

- health, fire and explosion hazards associated with the use of volatile or toxic adhesives and solvents, and specific OHS requirements regarding their use, safe handling and storage
- the range of canvas products in common use
- bonding principles and techniques
- commonly used glues, adhesives and solvents
- curing characteristics of commonly used adhesives and the effects of atmospheric conditions
- quality standards for bonding processes
- safety and environmental requirements of relevant industry and enterprise procedures
- general housekeeping policies and procedures
- OHS practices, including hazard identification and control measures
- quality practices
- workplace practices
- recording and reporting practices

Demonstrates skills to:

- locate and interpret technical information about canvas products, adhesives and equipment used in bonding processes
- use relevant hand and power tools
- use relevant chemicals and cleaning agents and dispose of waste products
- maintain work area
- read, interpret and follow information on work specifications, standard operating procedures and work instructions and other reference material
- maintain accurate records
- communicate within the workplace
- sequence operations
- meet specifications
- 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 to be considered

Demonstrates skills and knowledge to:

- comply with all relevant safety requirements including safe use of adhesives, solvents, hand tools and electrical equipment
- follow work orders
- understand equipment and materials instructions applicable to the use of adhesives
- prepare product to be bonded and set up adhesive application equipment
- perform bonding process
- perform normal operator maintenance of work area to enable work to be conducted safely and efficiently
- document and communicate work related information including reporting of faults and other problems

Consistently applies skills and knowledge when:

- organising work
- completing tasks
- identifying improvements
- using workplace practices
- using OHS practices
- recording and reporting accidents and incidents
- assessing operational readiness of equipment used and work processes
- recognising and adapting to cultural differences in the workplace, including modes of behaviour and interactions
- completing work systematically with attention to detail without damage to goods and equipment

Context and specific resources for assessment

Assessment may occur on the job or in an appropriately simulated environment and requires access to work areas, materials and equipment, and to information on workplace practices and OHS practices.

Guidance information for 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.

Power tools may include

- spray guns
- portable ventilation fans
- hot air dryers
- heat lamps

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

- 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
- other OHS practices relevant to the job and enterprise

Unit Sector(s)

Sector Textile Fabrication