



Australian Government

MSTTF2008 Use adhesives

Release: 1

MSTTF2008 Use adhesives

Modification History

Release 1. Supersedes and is equivalent to LMTTF2008A Use adhesives

Application

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

The unit of competency applies to the bonding of materials with adhesives on canvas and sail products. Work may be conducted in operational indoor or outdoor workplaces and 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.

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

Pre-requisite Unit

Nil

Competency Field

Textile fabrication

Unit Sector

Not applicable

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Determine job requirements	1.1	Follow standard operating procedures (SOPs)
		1.2	Comply with work health and safety (WHS) requirements at all times
		1.3	Use appropriate personal protective equipment (PPE) in accordance with SOPs
		1.4	Identify job requirements from specifications, drawings, job sheets or work instructions

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| 2 | Prepare to use adhesives work area | 2.1 | Prepare work area, tools and equipment |
| | | 2.2 | Read and follow workplace procedures and instructions |
| | | 2.3 | Determine nature of materials to be joined and obtain specified adhesives |
| 3 | Prepare adhesives | 3.1 | Select appropriate tools and materials to prepare work piece surfaces and application of adhesive |
| | | 3.2 | Check adhesive manufacturer WHS requirements and take prescribed precautions before using adhesives |
| | | 3.3 | Prepare adhesive to manufacturer instructions |
| 4 | Apply adhesive and bond materials | 4.1 | Prepare work piece surfaces for application of adhesive |
| | | 4.2 | Anchor or otherwise stabilise work piece surfaces to be bonded |
| | | 4.3 | Apply adhesive and join surfaces in accordance with recommended practice |
| | | 4.4 | Allow joins to cure for specified time |
| | | 4.5 | Apply heat to the work piece to assist in curing the joins in accordance with WHS practices, as required |
| | | 4.6 | Remove work piece and informally inspect and test joins for strength |
| | | 4.7 | Consult supervisor to verify results of inspection and take appropriate action to re-work or rectify, as necessary |
| 5 | Document and complete operations | 5.1 | Dispose of or store remaining adhesive in a safe, secure location |
| | | 5.2 | Clean and store tools, electrical cords and equipment securely |
| | | 5.3 | Clean and maintain work area to ensure safe and |

efficient operations

5.4 Complete work records in accordance with workplace requirements

Foundation Skills

This section describes those required skills (language, literacy and numeracy) that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for 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.

Workplace procedures include one or more of the following:

- requirements prescribed by legislation, awards, agreements and conditions of employment
- SOPs
- 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
- WHS practices

Australian Standards includes:

- the relevant industry or Australian Standards that are current at the time this unit is being undertaken

Power tools includes one or more of the following:

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

WHS practices

WHS practices include hazard identification and control, risk assessment and implementation of risk reduction measures specific

to the tasks described by this unit, and include one or more of the following:

- manual handling techniques
- SOPs
- PPE
- 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 Mapping Information

Release 1. Supersedes and is equivalent to LMTTF2008A Use adhesives

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=a203ec5c-de7d-406b-b3e1-8f1a9b76e92e>

Assessment Requirements for MSTTF2008 Use adhesives

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Performance Evidence

Evidence required to demonstrate competence in this unit must be relevant to and satisfy the requirements of the elements and performance criteria, and include:

- reading and following work instructions, standard operating procedures (SOPs), safe work practices and other reference material
- applying relevant standards
- locating and interpreting technical information about canvas products, adhesives and equipment used in bonding processes
- complying with all relevant safety requirements, including safe use of adhesives, solvents, hand tools and electrical equipment
- using hand and power tools, as required, and following work orders and workplace procedures
- applying equipment and materials instructions applicable to the use of adhesives
- preparing product to be bonded and setting up adhesive application equipment
- performing at least three (3) bonding processes, checking result and taking necessary action to rectify, as required, on at least two (2) occasions
- performing normal operator maintenance of work area to enable work to be conducted safely and efficiently
- documenting and communicating work-related information, including reporting of faults and other problems.

Knowledge Evidence

Evidence must be provided that demonstrates knowledge of:

- safe work practices and procedures and use of personal protective equipment (PPE)
- relevant Australian Standards
- health, fire and explosion hazards associated with the use of volatile or toxic adhesives and solvents, and specific work health and safety (WHS) 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 for bonding canvas and sail materials
- curing characteristics of commonly used adhesives and the effects of atmospheric conditions
- quality standards for bonding processes
- WHS and environmental requirements of relevant industry and enterprise procedures

- general housekeeping policies and procedures
- WHS practices, including hazard identification and control measures
- quality practices
- workplace procedures
- recording and reporting practices.

Assessment Conditions

- Assessors must:
 - satisfy the assessor competency requirements that are in place at the time of the assessment, as set by the VET regulator
 - have vocational competency in using adhesives, at least to the level being assessed, with relevant industry knowledge and experience.
- Assessment should occur in operational workplace situations. Where this is not possible, or where personal safety or environmental damage are limiting factors, assessment must occur in a sufficiently rigorous simulated environment reflecting realistic operational workplace conditions. This must cover all aspects of workplace performance, including environment, task skills, task management skills, contingency management skills and job role environment skills.
- Assessment processes and techniques must be appropriate to the language, literacy and numeracy requirements of the work being performed and the needs of the candidate.
- Conditions for assessment must include access to all tools, equipment, materials and documentation required, including relevant workplace procedures, product and manufacturing specifications associated with this unit.

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