



Australian Government

MSTTF2020 Use adhesives

Release: 1

MSTTF2020 Use adhesives

Modification History

Release 1. Unit code and Application changed. Elements and Performance Criteria restructured and simplified. Foundation Skills field populated. Range of Conditions removed with relevant information moved to Knowledge Evidence. Assessment Requirements clarified with generic foundation skills statements moved to appropriate section and duplication with Performance Criteria removed. Supersedes and is equivalent to MSTTF2008 Use adhesives.

Application

This unit describes the skills and knowledge required to safely prepare and use adhesives to join textile products.

This unit applies to individuals working in accordance with pre-determined specifications and established procedures.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Textile fabrication

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Determine joining requirements	1.1 Identity materials to be joined and specific adhesives required from work specifications 1.2 Identify and comply with work health and safety requirements for adhesive use 1.3 Select tools, equipment and materials for work based on joining requirements
2. Prepare adhesives	2.1 Select appropriate tools and materials to prepare work piece surfaces and application of adhesive 2.2 Check adhesive manufacturer safety requirements and take prescribed precautions before using adhesives 2.3 Prepare adhesive in accordance with manufacturer instructions
3. Apply adhesive and	3.1 Prepare work piece surfaces for application of adhesive as

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
bond materials	recommended by adhesive manufacturer 3.2 Anchor or otherwise stabilise work piece surfaces to be bonded 3.3 Apply adhesive and join surfaces in accordance with manufacturer instructions 3.4 Allow joins to cure for specified time 3.5 Apply required heat to the work piece to assist in curing joins in accordance with work health and safety requirements 3.6 Remove work piece and inspect and test joins for strength 3.7 Identify and rectify any deficiencies to achieve required quality standards
4. Document and complete operations	4.1 Dispose of or store remaining adhesive in a safe, secure location based on product requirements 4.2 Clean and store tools and equipment securely and in accordance with workplace procedures 4.3 Clean and maintain work area to ensure safe and efficient operations 4.4 Complete documentation in accordance with workplace procedures

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret familiar workplace documentation and unfamiliar adhesive product instructions
- Writing skills to communicate factual information in familiar workplace documents
- Numeracy skills to interpret and use information associated with area and ratios for measuring amounts of adhesive to be used.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSTTF2008 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 MSTTF2020 Use adhesives

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- use adhesives in accordance with all safety requirements to join textile products to specifications and workplace quality standards on at least three occasions
- respond to two different types of problems that commonly occur with bonding operations.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- safety considerations and requirements when working with adhesives:
 - use of personal protective equipment (PPE)
 - hazard identification and control measures
 - 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
- environmental protection requirements and sustainability considerations when using adhesives
- hand and power tools used in the bonding process
- bonding principles and techniques and quality standards for bonding processes
- basic overview of different types of textiles, textile products, and properties that affect the bonding process
- commonly used glues, adhesives and solvents for bonding textile materials:
 - application techniques
 - curing characteristics
 - effects of atmospheric conditions
- typical problems that occur with the bonding process and how to respond
- workplace procedures for recording and reporting information.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - work specifications
 - materials to be joined
 - adhesives
 - workplace procedures.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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