



Australian Government

MSTTN2009 Apply surface coating to technical textiles

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTTN2009B Apply surface coating to technical textiles

Application

This unit of competency covers the skills and knowledge required to apply surface coating to technical textiles. Technical textiles are textile products that have been manufactured for special technical performance and applications.

Work may be conducted in small to large scale enterprises and may involve individual and team activities.

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

Pre-requisite Unit

Nil

Competency Field

Technical textiles and non-wovens

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 for surface coating process | 2.1 | Make appropriate checks to ensure that textile fabric is ready for surface coating process |
| | | 2.2 | Prepare work area according to WHS practices and workplace procedures |
| | | 2.3 | Obtain or prepare surface coating according to manufacturer instructions and specifications required for job |
| | | 2.4 | Report and record problems according to workplace procedures |
| | | | |
| 3 | Prepare technical textile for surface coating | 3.1 | Conduct appropriate tests on technical textile before application of surface coating, as required |
| | | 3.2 | Fix technical textile into position on machine or conveyor, as required |
| | | 3.3 | Check job or batch requirements |
| | | | |
| 4 | Operate and monitor surface coating machine | 4.1 | Load coating mix or transfer sheet into machine reservoir for pick-up by knife, coating roller, gravure roller, rotary screen, laminating or tie coat machine, where applicable |
| | | 4.2 | Set machine to correct heat, speed and thickness according to process and job requirements |
| | | 4.3 | Undertake and monitor coating process to ensure application is according to job requirements and manufacturer instructions |
| | | 4.4 | Remove coated technical textile from coating machine and conduct tests, as required |
| | | 4.5 | Direct coated technical textile to next operation |

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 include:

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

Surface coating processes include one or more of the following:

- lick roll
- knife coating
- gravure
- rotary screen
- hot melt
- transfer coating

WHS practices WHS practices must 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
- other WHS practices relevant to the job and enterprise

Unit Mapping Information

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Links

Companion Volume implementation guides are found in VETNet -

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