



Australian Government

MSTFP2001 Identify materials used in footwear production

Release: 1

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Modification History

Release 1. Supersedes and is equivalent to LMTFP2001B Identify materials used in footwear production

Application

This unit of competency covers the skills and knowledge required to identify and describe materials used in the production of footwear.

The unit of competency applies to identifying a range of materials used in the footwear industry and their uses. Materials include natural and synthetic materials, adhesives and components.

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

Footwear production

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	Identify characteristics of footwear materials	1.1	Identify types and sources of materials used in footwear production
		1.2	Identify characteristics and uses of materials
		1.3	Identify handling and care requirements for materials
		1.4	Identify work health and safety (WHS) practices and workplace procedures relevant to materials uses

		1.5	Identify generic and trade names for materials
2	Identify performance of materials for footwear	2.1	Distinguish physical properties and performance characteristics of various materials
		2.2	Identify common faults, problems and surface defects of materials
		2.3	Identify workplace quality practices relating to faults, problems and surface defects
		2.4	Identify types of surface finishes used on materials
		2.5	Identify workplace quality practices relating to faults, problems and surface defects.

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
 - standard operating procedures (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

Leathers include five or more of the following:

- calf
- cow hide
- kid
- goat
- buffalo
- kangaroo
- reptile
- sheep
- ostrich
- emu
- pig

Adhesives include five or more of the following:

- polyurethane adhesives
- rubber cement
- methyl ethyl ketone
- halogenation solvent
- dichloromethane
- petrol
- methylated spirits
- solvent-based spray finishes
- solvent-based emulsions

Other materials include five or more of the following:

- satin
- silk
- taffeta
- rubber
- cork
- metal
- synthetics
- thermo plastic rubber

Characteristics include one or more of the following:

- stretch
- size
- grain
- nap
- substance
- properties and uses of different types of hides and

	leathers
	• hair follicle patterns of leather
Performance characteristics include one or more of the following:	• stretch • abrasion • wearability • absorbency • durability • elasticity • heat sensitivity • shrink resistance • strength
Faults, problems or defects include one or more of the following:	• marks • scars • cuts

Unit Mapping Information

Release 1. Supersedes and is equivalent to LMTFP2001B Identify materials used in footwear production

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 MSTFP2001 Identify materials used in footwear production

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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
- applying relevant standards
- identifying at least five (5) different leather materials used within footwear industry
- identifying at least five (5) different adhesives and chemicals used within footwear industry
- identifying at least five (5) examples of non-leather materials used for footwear
- identifying characteristics of at least five (5) footwear materials and their handling and care requirements
- distinguishing performance of footwear materials
- identifying finishing practices for footwear materials
- identifying common faults, problems and surface defects of footwear materials and how to deal with them
- recognising quality features of footwear materials.

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
- types of leather used in footwear production
- handling procedures for materials
- characteristics and performance of leathers, fabrics use and other materials used in footwear industry
- common faults, problems and surface defects of footwear materials, and how to deal with them
- workplace procedures required for working with footwear materials
- quality standards for footwear materials.

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 identifying materials used in footwear production, 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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