

Title	Demonstrate knowledge of fellmongery raw material and its preparation for fellmongering		
Level	4	Credits	5

Purpose	<p>This theory-based unit standard is for experienced people in the fellmongery or leather processing industries.</p> <p>People credited with this unit standard are able to demonstrate knowledge of: the structural characteristics of sheep skin and wool; a skin dressing technique; the purpose and practice of skin washing and skin dewatering; preservation methods used on skins; the purpose and practice of wetting back cured stock; and the purpose and practice of preflashing, used for leather manufacture.</p>
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Classification	Fellmongery and Leather Processing > Fellmongery Processing Knowledge
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Available grade	Achieved
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Guidance Information

- 1 Legislation relevant to this unit standard includes but is not limited to – Hazardous Substances and New Organisms Act 1996, Health and Safety at Work Act 2015, Resource Management Act 1991.
- 2 Resource documents include but are not limited to – *Specification for Grading New Zealand Lamb Pelts*; *Specification for Grading New Zealand Sheep Pelts*; and *Specification for the Treatment, Grading and Classification of NZ Sheep and Lambskins for Tannery Dressing*, available from the New Zealand Leather and Shoe Research Association (LASRA), Private Bag 8094, Fitzherbert Science Centre, Palmerston North 4446.
- 3 Definitions
Organisational requirements – instructions to staff on policies and procedures which are documented in memo, electronic or manual format and are available in the workplace.
Skin dressing – flaying techniques.

Outcomes and performance criteria

Outcome 1

Demonstrate knowledge of the structural characteristics of sheep skin and wool used for leather manufacture.

Performance criteria

- 1.1 The structure of sheep skin and wool is described in terms of composition.
- 1.2 The pelt and wool qualities of Australasian sheep breeds are described in terms of their advantages and disadvantages.

Range sheep breeds include but are not limited to – Romney, Merino.

Outcome 2

Demonstrate knowledge of a skin dressing technique used for leather manufacture.

Performance criteria

- 2.1 A skin dressing method is described in terms of technique and effectiveness.
- 2.2 A skin dressing method is explained in terms of the possible adverse effects on skin quality.

Outcome 3

Demonstrate knowledge of the purpose and practice of skin washing and skin dewatering used for leather manufacture.

Performance criteria

- 3.1 Wool and skin requirements for skin washing are described in terms of organisational requirements.
- 3.2 The process of skin washing is explained in terms of the purpose and equipment used.
- 3.3 The process of skin dewatering is explained in terms of the purpose and equipment used.

Outcome 4

Demonstrate knowledge of preservation methods used on skins for leather manufacture.

Performance criteria

- 4.1 Preservation methods are described in terms of process techniques, effectiveness and storage requirements.

Range preservation methods include but are not limited to – wet salting, short term preservation.

Outcome 5

Demonstrate knowledge of the purpose and practice of wetting back cured stock for leather manufacture.

Performance criteria

5.1 The purpose of wetting back cured stock is described.

5.2 The controls used in wetting back cured stock are described in terms of their effectiveness.

Range controls include but are not limited to – moisture content, dipslides.

Outcome 6

Demonstrate knowledge of the purpose and practice of prefreshing used for leather manufacture.

Performance criteria

6.1 A prefreshing machine is described in terms of its main components.

6.2 The process of prefreshing is described in terms of the purpose and risks.

Range risks include but are not limited to – high speed revolving blade, slippery floors, feed in rollers, sharpening blades.

This unit standard is expiring. Assessment against the standard must take place by the last date for assessment set out below.

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	26 September 2001	31 December 2013
Review	2	24 November 2005	31 December 2013
Review	3	19 June 2009	31 December 2013
Review	4	19 April 2012	31 December 2015
Review	5	21 February 2013	31 December 2017
Review	6	20 March 2014	31 December 2019
Review	7	19 February 2015	31 December 2023
Review	8	30 September 2021	31 December 2023

Consent and Moderation Requirements (CMR) reference	0033
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.