

Title	Tuft plain carpet		
Level	3	Credits	20

Purpose	<p>This unit standard is for people working in the carpet manufacturing industry.</p> <p>People credited with this unit standard are able to: demonstrate knowledge of carpet tufter operation; prepare a tufter for operation; operate a tufter and monitor tufting process; and keep tufter, product, and work area clean.</p>
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Classification	Textiles Manufacture > Carpet Manufacture
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Available grade	Achieved
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Entry information	
Recommended skills and knowledge	Unit 7187, <i>Prepare and break down a carpet tufting or beaming creel.</i>

Explanatory notes

- 1 Legislation relevant to this unit standard includes but is not limited to the Health and Safety at Work Act 2015.
- 2 Definition
Workplace procedures – procedures used by the organisation carrying out the work and applicable to the tasks being carried out. Examples are – standard operating procedures, site safety procedures, equipment operating procedures, codes of practice, quality management practices and standards, and procedures to comply with legislative and local body requirements.
- 3 Range
Cut and loop pile tufting.
- 4 Assessment information
All evidence must be in accordance with workplace procedures.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of carpet tufter operation.

Evidence requirements

- 1.1 The construction characteristics of carpet are described.
- Range cut pile, loop pile, straight sew, shifted, stitch rate, tuft length, gauge.
- 1.2 The function and operation of carpet tufter sections and components are described.
- Range creel or beam, yarn feed roller, bed, needles, loopers, knives, reeds, backing supply, patterning device, shifting mechanisms, machine controls.

Outcome 2

Prepare a tufter for operation.

Evidence requirements

- 2.1 Tufter is prepared, and fitted safety devices are in place.
- 2.2 Backing fabric is loaded.
- Range identified, thread up, orientation, centred in machine, square to line of tufting.
- 2.3 Yarn joins are brought through without excessive yarn breakage or damage to machine parts.
- 2.4 Sample piece is produced.

Outcome 3

Operate a tufter and monitor tufting process.

Evidence requirements

- 3.1 Tufter is operated.
- 3.2 Faults are identified, and acted on.
- Range tufting – backing shift, pattern, stop marks, face or back appearance, high lines, low lines;
backing – uneven weave, creases, broken cores, tight warp, moiré effect, lack of lubricant;
yarn – yarn breaks, crossed yarns, yarn count variation, yarn double up, yarn joins.
- 3.3 Yarn supply creel is monitored and maintained to ensure continued yarn supply.

3.4 Tufter malfunction is identified, and remedial action taken.

3.5 Tufting records are maintained.

Outcome 4

Keep tufter, product, and work area clean.

Evidence requirements

4.1 Work area is kept clean, and all waste material is collected and sorted according to type to prevent contamination.

4.2 Tufter components are kept free of unwanted fibre during processing.

4.3 Tufter is cleaned at end of a batch.

Planned review date	31 December 2021
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	28 May 1996	31 December 2019
Revision	2	16 November 1998	31 December 2019
Revision	3	10 October 2001	31 December 2019
Revision	4	12 August 2004	31 December 2019
Rollover and Revision	5	26 March 2007	31 December 2019
Rollover	6	16 July 2010	31 December 2019
Review	7	19 May 2016	N/A

Consent and Moderation Requirements (CMR) reference	0030
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Please note

Providers must be granted consent to assess against standards (accredited) by NZQA, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be granted consent to assess against standards by NZQA before they can register credits from assessment against unit standards.

Providers and Industry Training Organisations, which have been granted consent and which are assessing against unit standards must engage with the moderation system that applies to those standards.

Requirements for consent to assess and an outline of the moderation system that applies to this standard are outlined in the Consent and Moderation Requirements (CMR). The CMR also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact [Competenz info@Competenz.org.nz](mailto:Competenz.info@Competenz.org.nz) if you wish to suggest changes to the content of this unit standard.