

Title	Demonstrate knowledge of pulp and paper products		
Level	3	Credits	4

Purpose	People credited with this unit standard are able to demonstrate knowledge of pulp products, paper grades, and cartonboard produced in the New Zealand paper making industry.
----------------	--

Classification	Wood Fibre Manufacturing > Pulp and Paper Technology
-----------------------	--

Available grade	Achieved
------------------------	----------

Explanatory notes

All evidence requirements must be demonstrated and assessed in accordance with the reference text: *Demonstrate knowledge of pulp and paper products*, published by Competenz and available from Competenz at <http://www.competenz.org.nz/>, or Competenz, PO Box 9005, Newmarket, Auckland 1149.

Outcomes and evidence requirements

Outcome 1

Demonstrate knowledge of pulp products.

Evidence requirements

- 1.1 Pulp products are identified and their manufacture is described.
- Range groundwood, refiner mechanical, semi-chemical, kraft.
- 1.2 Defining characteristics of pulp products are described.
- Range groundwood, refiner mechanical, and semi-chemical pulp characteristics – freeness, shive level, brightness; kraft pulp characteristics – brightness, kappa number, shive levels.
- 1.3 Pulp products are matched with paper products and reasons for the match are explained in terms of paper product performance.
- Range groundwood, refiner mechanical, semi-chemical, kraft.

Outcome 2

Demonstrate knowledge of paper grades and cartonboard produced in the New Zealand paper making industry.

Evidence requirements

2.1 Paper grades are identified and differences in their manufacture are described.

Range newsprint, packaging, linerboard, tissue, corrugating medium, cartonboard.

2.2 Paper properties are described and matched with paper products and the match is explained to highlight the importance of the properties to the paper product performance.

Range paper properties – opacity, ink absorption rate, wet strength, formation, tear, tensile, stretch, softness, water absorbency, curl, printability, plybond, edge crush;
paper products – newsprint, packaging, linerboard, tissue, cartonboard, corrugating medium.

Planned review date	31 December 2019
----------------------------	------------------

Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	30 November 2000	N/A
Review	2	18 December 2006	N/A
Review	3	24 October 2014	N/A

Consent and Moderation Requirements (CMR) reference	0173
--	------

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 qualifications@competenz.org.nz if you wish to suggest changes to the content of this unit standard.