

40317 Apply quality control methods and environmental principles to fibreboard packaging production

Kaupae Level	2
Whiwhinga Credit	10
Whāinga Purpose	<p>This skill standard is intended for people who are new to the fibreboard packaging industry, or are new to assistant operator roles. They will be able to apply product knowledge, quality control methods and environmental principles to fibreboard packaging production.</p> <p>This skill standard aligns with the New Zealand Certificate in Fibreboard Packaging (Level 2) [Ref: 1818].</p>

Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Describe substrates and product consumables used in the manufacture of fibreboard packaging.	a. Describe the processes used to manufacture substrates in carton converting.
	b. Describe the characteristics of substrates used in fibreboard packaging.
	c. Describe the uses and characteristics of product consumables used in your workplace.
2. Identify product issues and explain the effects of relative humidity in fibreboard packaging.	a. Identify issues associated with paper and board substrates.
	b. Identify problems associated with relative humidity and explain their solutions.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
3. Apply quality control methods to fibreboard packaging production.	a. Explain the importance of maintaining high quality standards during the manufacture of fibreboard packaging products.
	b. Explain the impacts of variable production quality including customer satisfaction, profitability, and waste.
	c. Describe quality and technical specifications for the fibreboard packaging products being checked in your workplace and provide examples of any faulty products.
	d. Check fibreboard packaging products using workplace quality control methods and document the results.
	e. Identify quality control problems and solve or report problems.
4. Describe risk management in the fibreboard packaging industry.	a. Describe risk factors which can impact the fibreboard packaging industry.
	b. Describe workplace procedures which mitigate the risks identified in 4a.
5. Identify environmental impacts and follow waste control and recycling procedures in the manufacture of fibreboard packaging products.	a. Identify environmental impacts managed within the fibreboard packaging industry.
	b. Describe workplace procedures relating to company environmental policy.
	c. Follow waste control and recycling procedures in a fibreboard packaging workplace.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

Assessment specifications:

Evidence presented for assessment against this skill standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

Definition

Workplace procedures refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer’s requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor’s instructions, and procedures to comply with legislative and local body requirements relevant to the fibreboard packaging industry.

Ngā momo whiwhinga | Grades available

Achieved

Ihirangi waitohu | Indicative content**Quality control**

- Quality control methods – job documentation, sampling, sign-off and quality checks.
- Quality specifications – surface finish and colour.
- Technical specifications – dimensions, tolerances and adhesive bond strength.

Risk management

- Risk factors – employee health and safety, fire safety, impact of quality, level of contamination, compliance requirements, security, confidentiality.

Environmental awareness

- Environmental impacts – waste disposal, use of resources such as water and electricity, contamination, hazardous substance containment.
- Environmental standards – sustainable sourcing of materials, energy efficiency, emissions control, recycling and waste management systems.

Rauemi | Resources

Legislation relevant to this skill 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.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this skill standard will take precedence for assessment purposes, pending review of this skill standard. Legislation can be accessed at:

<https://www.legislation.govt.nz>.

Pārongo Whakaū Kounga | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	Manufacturing > Fibreboard Packaging > Fibreboard Packaging Production
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0013

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	28 November 2024	N/A
Kōrero whakakapinga Replacement information	This skill standard replaced unit standard 27822 and unit standard 27829.		
Rā arotake Planned review date	31 December 2029		

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council at qualifications@hangaarorau.nz if you wish to suggest changes to the content of this skill standard.