

40342 Maintain production of fault free board on a corrugator for fibreboard packaging

Kaupae Level	3
Whiwhinga Credit	20
Whāinga Purpose	<p>This skill standard is intended for people who are already working in the fibreboard packaging industry and want to progress into an operator role. They will be able to undertake quality inspections, monitor production and rectify faults to maintain production of fault free board on a corrugator, and carry out post-production tasks for fibreboard packaging.</p> <p>This skill standard aligns with the New Zealand Certificate in Fibreboard Packaging (Level 3) with strands in Case Converting, Case Corrugating, and Carton Converting [Ref: 1819].</p>
Whakaakoranga me mātua oti Pre-requisites	Unit standard 340, <i>Demonstrate knowledge of safe working practices in the print industry</i> , or demonstrate equivalent knowledge and skills.

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Confirm job requirements for fibreboard packaging.	a. Check job documentation to ensure that all specifications for the process being undertaken are met and report any discrepancies.
	b. Check required job components against the job documentation and confirm their availability.
	c. Confirm equipment is available, as determined by the job documentation.
2. Inspect quality and carry out required adjustments for fibreboard packaging.	a. Inspect or test samples and interpret results to determine adjustment requirements.
	b. Carry out adjustments to ensure job requirements are met.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
3. Maintain operation of reel transportation system for fibreboard packaging.	<p>a. Monitor and adjust reel stand to ensure efficient continuous operation.</p> <p>b. Monitor and adjust web control system to ensure correct tension and accurate positioning of the web.</p> <p>c. Feed substrate into corrugating process in accordance with job requirements.</p>
4. Monitor and adjust corrugating process for fibreboard packaging.	<p>a. Monitor and adjust starch delivery system to suit corrugating process and meet job requirements.</p> <p>b. Monitor and adjust heat delivery system to suit corrugating process and meet job requirements.</p> <p>c. Monitor and adjust steam delivery system to suit corrugating process and meet job requirements.</p> <p>d. Monitor and adjust corrugating roll and pressure rolls to suit corrugating process and meet job requirements.</p> <p>e. Run appropriate quantity of paper to minimise waste.</p>
5. Monitor and adjust production process for fibreboard packaging.	<p>a. Maintain production process with production crew.</p> <p>b. Monitor performance and verify using the process control system.</p> <p>c. Monitor and adjust starch performance during production run.</p> <p>d. Carry out regular quality checks and adjust system(s) as required.</p>
6. Rectify faults in fibreboard packaging to prevent production delays.	<p>a. Identify and report faulty equipment.</p> <p>b. Rectify faults within operators control at plant listed maximum speed.</p> <p>c. Follow waste disposal requirements including correct ejection of trimming.</p>

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
7. Carry out post-production tasks for fibreboard packaging.	a. Check quantity and other job requirements against job documentation and rectify any discrepancies in quantity before removing job from machine.
	b. Follow correct machine shut-down sequence.
	c. Complete job documentation and note any amendments and variations for future reference.
	d. Carry out other post-production tasks as required by job documentation.

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

Assessment specifications:

- Assessment must include set up, production, shut down and wash up at single facer corrugating station.
- Evidence presented against learning outcome 6 must include rectification of the following faults - misalignments, wash-boarding, wet board, any form of de-lamination (extensive or localised), folded edges, leaning or deformed or damaged flutes, wrinkles, indentations or crushed or damaged board.
- 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.
- It is recommended people hold credits for skill standard 40341, *Set up, shut down, and wash up a double backer station for fibreboard packaging*, before being assessed against this skill standard.

Definitions:

Job documentation refers to the documentation that is used in the workplace that contains the instructions and requirements for a particular production job. This may include but is not limited to – workplace orders, production orders, workplace specifications, samples, lay cards.

Job requirements refer to specific requirements for the fibreboard packaging job at hand. These requirements may or may not be covered in the job documentation and may include special instructions, quality requirements expected by the customer, and/or production standards as set down by the fibreboard packaging workplace and/or organisation.

Plant listed maximum speed refers to the speed determined by each workplace as appropriate for the board dimensions, board type, and run length in production.

Substrate refers to a range of substrates within the major categories of board or paper.

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**Single facer station**

- Set up of single facer corrugating station including unwind reel, web control systems, starch delivery system, rider roll, and heat delivery system.
- Shut down and wash up of single facer station including starch delivery system, reel-feed and transportation systems.

Production

- Use of manual and/or automatic control to meet job requirements.
- Minimisation of machine downtime through anticipation of production difficulties and taking preventative action to avoid delays.

Rauemi | Resources

Legislation relevant to this skill standard includes but is not limited to:

- Health and Safety at Work Act 2015.

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 Workforce Manufacturing, Engineering and Logistics 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 27813.		
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.