

40328 Identify board faults in fibreboard packaging

Kaupae Level	3
Whiwhinga Credit	10
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 identify board faults in fibreboard packaging and describe potential causes of diagonal warp.</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>

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Identify board faults in the fibreboard packaging industry.	a. Identify warp types from fibreboard samples.
	b. Identify faults from fibreboard samples.
	c. Define the conditions 'wet board' and 'green board' in terms of strength.
	d. Identify the presence of fibre tear in manufactured board.
2. Describe diagonal warp in fibreboard packaging and describe its causes.	a. Define diagonal warp in terms of the axis of the warp running diagonally across the board.
	b. Describe the conditions of reel stock that could cause diagonal warp to occur.
	c. Describe tension inequalities that could cause diagonal warp.
	d. Describe moisture variations that could cause diagonal warp.
	e. Describe equipment faults that could cause conditions leading to diagonal warp.

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

Assessment specifications:

- Samples may include photographs, diagrams or physical samples.
- Evidence presented against learning outcome 1 must include identification of a minimum of six faults.

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.

Definitions:

Diagonal warp is also referred to as cross warp.

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

Faults

- Warp types - up warp, down warp, diagonal warp and S warp.
- Board faults such as blisters, wrinkles, cockles, splices, slot lines, edge fluff outs, other delamination or poor adhesion (localised or extensive), cut, fractured or crushed corrugations, low flutes, leaning flutes, highs and lows, other non-specified damage or deformation to corrugations, indentations, scuff marks, dry streaks, wash-boarding, splits at crease lines, other damage to liner papers, unslit board, untrimmed board, badly trimmed board, misalignment, failure of board to bend cleanly at crease lines, warp types, splices in board or liner inside out.

Causes of diagonal warp

- Equipment faults including reel stands, wrap arms, rollers or top belt.
- Moisture variations including varying moisture levels across the paper width, uneven adhesive application or uneven heat application.
- Reel stock conditions including fibre orientation, slack edges in reel, paper grammage or calliper not within specification.
- Tension inequalities including slack edges in reel, reel stands out of line, wrap arms not level, rollers not parallel, misalignment of top belt or uneven pressure roller pressures.

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 27803.		
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.