



Australian Government

PMBPROD207E Operate rubber calendering equipment

Release: 1

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Modification History

Release 1. Unit code and title changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD207 Operate calender.

Application

This unit describes the skills and knowledge required to operate calendering equipment used to convert rubber compound into continuous sheeting.

This unit applies to an individual working alone or as part of a team.

This unit principally refers to the calender operator understanding the mechanical and electrical operating controls and feeding the calender, and removing the resulting product, safely and effectively.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Pre-requisite Unit

Nil

Competency Field

Production – Conveyor Belt Manufacturing, Rubber Processing

Elements and Performance Criteria

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1. Check work requirements	1.1 Identify requirements from production plan 1.2 Check rubber and additive meet job requirements 1.3 Identify and perform housekeeping tasks in preparation for work to be undertaken 1.4 Perform pre-operational checks including checking for and acting on hazards
2. Operate calendering equipment	2.1 Check process is operating according to equipment specifications and work requirements 2.2 Ensure product is ready for next operation according to job

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	requirements 2.3 Monitor and maintain supply of materials to support operation of equipment 2.4 Apply waste management strategies to collect and segregate scrap, trim and other materials according to workplace procedures 2.5 Clean equipment and work area according to operational and workplace procedures 2.6 Pause and stop machine cycle in normal and abnormal circumstances according to workplace procedures
3. Respond to process variances in accordance with procedures	3.1 Recognise and log process control variances and their issues 3.2 Accurately maintain records and logbooks

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

- Numeracy skills to interpret technical information and equipment readings.
- Reading skills to interpret specifications and workplace procedures.
- Writing and oral communication skills to record and report on rubber calendering equipment operations.

Other foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

Supersedes and is equivalent to PMBPROD207 Operate calender.

Links

Companion Volume implementation guides are found in VETNet –

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=932aacef-7947-4c80-acc6-593719fe4090>

Assessment Requirements for PMBPROD207E Operate rubber calendering equipment

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Performance Evidence

There must be evidence the candidate has completed the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- operate rubber calendering equipment at least once to meet job requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the function of the rubber calendering equipment and process, and ancillary equipment
- mechanical principles of various types of calendering equipment
- operational safety requirements
- the criteria for overall process/equipment readiness for the process and equipment being used
- rubber calendering production workflow sequences and materials demand
- typical quality standards at each stage of production
- key variables that may affect product quality and production output, including:
 - operating temperatures
 - speed
 - nip settings
 - materials consistency
 - surface finish
- typical process and product problems, including early warning signs, possible causes and corrective actions
- organisational procedures relevant to the work environment or job role, including procedures for the emergency shutdown of equipment
- hazards that may arise in the job or work environment, and:
 - their possible causes
 - potential consequences
 - appropriate risk controls.

Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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