



**Australian Government**

**Assessment Requirements for  
PMBPROD375E Vulcanise products using  
an autoclave**

**Release: 1**

# Assessment Requirements for PMBPROD375E Vulcanise products using an autoclave

## Modification History

Release 1. Unit code changed. Application changed. Elements and Performance Criteria changed. Range of Conditions removed. Assessment Requirements changed. Supersedes and is equivalent to PMBPROD375 Vulcanise products using an autoclave.

## 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:

- vulcanise products using an autoclave at least once to meet job specifications.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions and operating principles of vulcanising equipment, machine components and ancillary equipment
- production workflow sequences and materials demand
- characteristics of materials and their behaviour in relation to process conditions and stages of production
- impact of variations in machine process conditions and raw materials on product quality and production output
- the criteria for overall process/equipment readiness for the process or equipment being used
- typical quality standards required at each stage of production
- key variables that may affect product quality and production output, including:
  - operating temperatures
  - stacking and loading of product for autoclaving
  - material composition
  - operating pressure
  - cycle time
  - output rate
  - product integrity and general conformance to specification
- common adjustments in process variables and their impact on product quality and production output
- typical and atypical 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.

## **Links**

Companion Volume implementation guides are found in VETNet – -

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