



Australian Government

**Assessment Requirements for
PMBPROD321E Produce rotational
moulded products**

Release: 1

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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 PMBPROD321 Produce rotational moulded products.

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:

- produce rotational moulded products at least once to meet job specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- the functions of rotational moulding equipment and ancillary equipment
- the principles of operation of rotational moulding equipment
- mechanical and electrical principles that affect machine operation
- the rotational moulding manufacturing process and phases of the production cycle
- the criteria for overall process/equipment readiness for the process or equipment being used, including the importance of machine set-up and warm-up for effective processing of materials
- characteristics of materials and their behaviour in relation to process conditions and stages of production
- typical quality standards required at each stage of production
- key variables that may affect product quality and production output, including:
 - cycle time according to external temperatures and humidity
 - operating temperatures
 - type of heating used
 - cooling time
 - speed of rotation/movement
 - pattern of movement
 - colour of product
 - product integrity and general conformance to specification
- typical and atypical process and product problems, including early warning signs, possible causes and corrective actions
- the distinguishing characteristics of causes of problems as being either based on the properties of materials or caused by process variables

- 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>