



Australian Government

PMBPREP205E Assemble materials and equipment for production

Release: 1

PMBPREP205E Assemble materials and equipment for production

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 PMBPREP205 Assemble materials and equipment for production.

Application

This unit describes the skills and knowledge required to select, prepare and assemble materials and equipment for production using product and process specifications.

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

The unit principally refers to ensuring that the correct materials get delivered to the correct production area, with due care and principles of safe working applied.

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

Preparation – Extrusion, Injection Moulding, Rotational Moulding, Conveyor belt maintenance and repair

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. Identify required materials and equipment	1.1 Read and interpret product specifications to identify required materials, including additives, and intended trade names 1.2 Determine quantity of materials required for product according to job and materials specifications 1.3 Identify required equipment, including handling, control and material-preparation equipment from job specifications and workplace production procedures

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2. Locate materials and equipment	2.1 Locate and monitor availability of required materials, equipment and machinery according to job specifications and workplace procedures 2.2 Identify and report materials, equipment and machine faults 2.3 Identify and prepare holding areas for materials, equipment and machinery according to workplace procedures
3. Assemble materials and equipment	3.1 Apply safe manual-handling practices to assemble materials and equipment 3.2 Collect and organise materials in a manner that ensures storage compatibility 3.3 Visually check materials against product specifications 3.4 Conduct checks to confirm assembled equipment and materials meet job specifications 3.5 Accurately record details of specification
4. Organise internal workplace delivery of materials, equipment and machinery	4.1 Organise transfer of materials, equipment and machinery to required locations 4.2 Notify personnel of transfer and confirm delivery
5. Store materials, equipment and machinery for production	5.1 Identify storage requirements according to materials, equipment and machinery specifications 5.2 Store materials according to work health and safety regulations and materials specifications 5.3 Accurately maintain records and logbooks including any variances

Foundation Skills

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

- Numeracy skills to interpret technical specifications and measure materials.
- Reading skills to interpret specifications and workplace procedures.
- Writing and oral communication skills to record and report on materials and equipment preparation and process control variances.

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 PMBPREP205 Assemble materials and equipment for production.

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 PMBPREP205E Assemble materials and equipment for production

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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:

- assemble materials and equipment for production at least once to meet job requirements.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- types and applications of common polymer materials
- types and applications of additives
- types and applications of equipment typically used
- trade names and formulae of common polymer materials
- common end-use examples of polymers and common family names
- safe manual-handling processes for materials and equipment associated with polymer production processes and products
- safe and appropriate storage options for materials and equipment
- expected quality standards for materials, and checking requirements to validate suitability for use
- key variables that may affect the product quality or production output, including:
 - raw materials variations
 - contamination of raw materials
- types of materials, equipment and machine faults, and associated reporting procedures
- the impact on production process from the misreading of labels, instructions and safety data sheets
- organisational procedures relevant to the work environment or job role
- 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

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