



Australian Government

PMBFIN203E Rework product imperfections

Release: 1

PMBFIN203E Rework product imperfections

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 PMBFIN203 Repair product imperfections.

Application

This unit describes the skills and knowledge required to identify rework requirements, select appropriate materials and equipment to undertake reworking, and rework a product to meet specifications, during production or assembly phases.

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

The unit principally refers to the support of a production process in composites or rotational moulding (rotomoulding).

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

Finishing – Composites, Rotational Moulding

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 Read and interpret original product specifications and work order documentation 1.2 Identify product faults and assess feasibility of reworking in the context of intended use of product and quality specifications 1.3 Select technology according to technology specifications and reworking requirements 1.4 Identify and assemble required equipment and set reworking method 1.5 Plan work process stages including work sequences and durations within each stage, and engineering controls and required personal

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	protective equipment (PPE) following established workplace procedures 1.6 Design time-efficient and economical reworking processes that achieve quality standards and match workplace operating procedures
2. Perform reworking	2.1 Identify and eliminate sources of contamination in preparation for reworking 2.2 Prepare surfaces according to manufacturer instructions and workplace procedures 2.3 Perform reworking on identified areas of product and check for conformity according to job specifications and typical quality measures
3. Complete rework process	3.1 Clean, inspect and store equipment used for reworking according to equipment specifications for serviceable condition and storage, and according to workplace procedures 3.2 Inspect finished product for suitability for further processing, for customer delivery or for further reworking according to job specifications and reworking procedures 3.3 Clean work area and apply waste management and recycling strategies 3.4 Assemble and sort reworked products for delivery to other work sections 3.5 Accurately record product data
4. Respond to process control variances	4.1 Recognise process control variances and their causes 4.2 Determine, prioritise and implement remedial and preventative actions based on identified issues and causes 4.3 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 perform measurements and interpret technical information.
- Reading skills to interpret job specifications and workplace procedures.

- Writing and oral communication skills to report on product and production data and product imperfections.

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 PMBFIN203 Repair product imperfections.

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 PMBFIN203E Rework product imperfections

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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:

rework product imperfections at least once to meet product and quality specifications.

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- product quality requirements and quality management procedures
- product defect classifications
- the methods used to communicate original product specifications and work order documentation
- product reworking methods, workflow sequences and materials for common defects
- tools and equipment typically used in the reworking of product imperfections, including basic hand tools, power or air tools, and plastic or other filling compounds
- key variables that affect the feasibility of repairing defects and results of reworking
- sources of contamination that may affect repairs and how to eliminate them
- methods of surface preparation
- types, applications and compositions of common repair materials
- typical quality standards required in original products and as the result of reworking
- typical product defects, and their early warning signs, possible causes and corrective actions
- typical problems that may arise, including:
 - inappropriate filling materials being selected and used
 - effect of environment on curing times
 - separation of filling and parent materials
- 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.

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