



Australian Government

PMBPROD242E Bond polymers to surfaces

Release: 1

PMBPROD242E Bond polymers to surfaces

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 PMBPROD242 Bond polymers to surfaces.

Application

This unit covers the skills and knowledge required to join a solid polymer to a surface using adhesives, cohesives, solvents or similar joining technology.

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

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 – Generic

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 job specifications 1.2 Perform housekeeping tasks to prepare for work to be undertaken 1.3 Perform pre-operational checks including checking for and acting on hazards
2. Prepare materials for joining substrates	2.1 Check substrate for suitability to commence bonding process 2.2 Clean and activate substrates in preparation for joining materials to be applied 2.3 Prepare joining materials according to job requirements
3. Apply joining materials	3.1 Apply joining materials to substrates according to job requirements 3.2 Monitor drying or setting to ensure result meets job requirements

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
	3.3 Apply subsequent material or coats according to job requirements to meet quality standards
4. Join polymers	4.1 Set up equipment for joining materials according to job requirements 4.2 Bring surfaces together, ensuring intimate and continuous contact between surfaces, according to job requirements 4.3 Apply required conditions to join until joining process is complete and meets expected quality standards 4.4 Accurately complete logs, records and quality documentation 4.5 Clean equipment and work area according to workplace procedures
5. Respond to process control variances	5.1 Recognise and log process control variances and their causes 5.2 Determine, prioritise and implement remedial and preventative actions based on identified issues and causes

Foundation Skills

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

- Numeracy skills to interpret technical specifications.
- Reading skills to interpret specifications and workplace procedures.
- Writing and oral communication skills to record and report on polymer bonding 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 PMBPROD242 Bond polymers to surfaces.

Links

Companion Volume implementation guides are found in VETNet – -

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

