



**Australian Government**

**Assessment Requirements for  
PMBPROD249E Apply liquid surface  
coatings**

**Release: 1**

# Assessment Requirements for PMBPROD249E Apply liquid surface coatings

## 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 PMBPROD249 Apply liquid surface coatings.

## 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:

- apply liquid surface coatings at least once to meet job specifications.

## Knowledge Evidence

There must be evidence the candidate has knowledge of:

- common types of coatings, their differences and range of applications
- methods of application of common coatings
- the criteria for overall process/equipment readiness for the process or equipment being used
- common types of equipment used in the application of liquid coatings, including:
  - coating equipment
  - brushes
  - spray guns
  - film coaters
  - immersion equipment
- the function and principles of operation of spray gun equipment
- processing behaviour of polymers and the role of additives
- production workflow sequences and materials demand
- key variables that may affect product quality and production output, including:
  - spray patterns
  - materials consistency
  - finished colour
  - surface finish
  - product integrity and general conformance to specifications
  - coating viscosity
  - solvent/thinner blend ratios
- the potential effects of variations in raw materials, conditions and equipment in relation to quality of product

- reasons for checking conditions and taking action when they are outside of normal range of process variability
- typical process and product problems, including early warning signs, possible causes and corrective actions
- 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

Companion Volume implementation guides are found in VETNet – -

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