



Australian Government

PMAOPS755 Provide surface coatings application advice

Release: 1

PMAOPS755 Provide surface coatings application advice

Modification History

Release 1. Supersedes and is equivalent to PMAOPS755A Provide surface coatings application advice

Application

This unit of competency covers the skills and knowledge required to provide advice on surface coatings application to customers. A surface coating is any liquid (e.g. solvent or emulsion-based) material applied to a solid surface for decorative and/or protective reasons

This unit of competency applies to paint technologists, technical service personnel, research and development personnel, or those in similar roles who are required to apply in-depth physiochemical knowledge of surface coatings and their application in order to determine appropriate coatings, recommend preparation and application methods, and identify and solve problems.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Pre-requisite Unit

Nil

Competency Field

Operations

Unit Sector

Elements and Performance Criteria

Elements describe the essential outcomes.

Performance criteria describe the performance needed to demonstrate achievement of the element.

- | | | | |
|---|-----------------------------------|-----|--|
| 1 | Match coating to substrate | 1.1 | Identify substrate to be used |
| | | 1.2 | Determine requirements of final coated surface |
| | | 1.3 | Recommend appropriate coating system |
| 2 | Recommend | 2.1 | Recommend substrate preparation |

preparation and application techniques	2.2	Select appropriate coating application equipment
	2.3	Determine required rheology of coating
	2.4	Specify required coating tests and interpret test results
	2.5	Specify coating application
3 Analyse problems with surface coatings	3.1	Identify non-conformances in coated product
	3.2	Distinguish between preparation, application and paint problems
	3.3	Recommend correct preparation and application to prevent problems

Foundation Skills

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

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Range of Conditions

This field allows for different work environments and conditions that may affect performance. Essential operating conditions that may be present (depending on the work situation, needs of the candidate, accessibility of the item, and local industry and regional contexts) are included.

Regulatory framework	The latest version of all legislation, regulations, industry codes of practice and Australian/international standards, or the version specified by the local regulatory authority, must be used, and include one or more of the following: • <i>AS/NZS 2311:2009 Guide to the painting of buildings</i> • <i>AS 1580 (Set) Paints and related materials – Methods of test</i> • <i>AS/NZS 2310:2002 Glossary of paint and painting terms</i> • <i>AS 3978-2003 Non-destructive testing – Visual inspection of metal products and components</i> • <i>AS 3894 (Set) Site testing of protective coatings</i> • legislative requirements, including work health and safety (WHS) • industry codes of practice and guidelines • environmental regulations and guidelines • Australian and other standards
-----------------------------	--

- licence and certification requirements

All operations to which this unit applies are subject to stringent health, safety and environment (HSE) requirements, which may be imposed through state/territory or federal legislation, and these must not be compromised at any time. Where there is an apparent conflict between performance criteria and HSE requirements, the HSE requirements take precedence.

Hazards Hazards include one or more of the following:

- equipment failures
- flammability and explosivity
- hazardous products and materials
- slippery surfaces, spills or leaks
- extreme weather
- other hazards that might arise

Procedures All operations must be performed in accordance with relevant procedures.

Procedures are written, verbal, visual, computer-based or in some other form, include one or more of the following:

- emergency procedures
- work instructions
- standard operating procedures (SOPs)
- safe work method statements (SWMS)
- formulas/recipes
- batch sheets
- temporary instructions
- any similar instructions provided for the smooth running of the plant

Unit Mapping Information

Release 1. Supersedes and is equivalent to PMAOPS755A Provide surface coatings application advice

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=9fc2cf53-e570-4e9f-ad6a-b228ffdb6875>