



Australian Government

MSFFF3003 Apply plural component coatings

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers applying plural component coatings, including polyurethane, polyester coatings and acid catalysed, to surfaces.

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

Pre-requisite Unit

Competency Field

Unit Sector

Furniture finishing

Elements and Performance Criteria

Elements describe the essential outcomes.

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

1	Prepare for work	1.1	Workplace information, including materials application and safety information, and material safety data sheets (MSDS), is used to inform work practices
		1.2	Characteristics of the surface and the required surface treatment are identified from work orders or instructions
		1.3	Processing and application techniques, time and safety requirements are identified and used for work planning
		1.4	Work health and safety (WHS) requirements, including ventilation requirements and personal protection needs, are observed throughout the work
		1.5	Tools, equipment and accessories are identified and checked for safe and effective application of plural component coatings
2	Prepare for application of	2.1	Surfaces are checked for contamination and correct preparation according to workplace procedures and

materials	standards
	2.2 Products with surface or other faults are identified and faults repaired as appropriate
	2.3 Materials required are identified and prepared for the task
	2.4 Spray booths and work documentation are inspected to ensure nitro-cellulose lacquer has not been sprayed in the same booth as that used for the application of plural component coatings
	2.5 Nitro-cellulose overspray is cleaned off booth surfaces if necessary before application of plural component coatings
	2.6 Trial applications of plural component coatings are made to check equipment operation, materials consistency and viscosity
	2.7 Faults and/or inconsistencies in applied coating are identified and workplace procedures for rectification and adjustment are followed
3 Apply finishing materials	3.1 Techniques for application of plural component coatings are identified and selected
	3.2 Materials are applied according to job instructions, material manufacturer specifications and workplace procedures
	3.3 Finished products are inspected and approved for suitability for further processing
	3.4 Products which do not meet quality specifications are rectified or tagged for further investigation
4 Clean work area and maintain equipment	4.1 Equipment used is cleaned and inspected for serviceable condition and stored appropriately
	4.2 Unserviceable equipment is tagged, faults are identified and appropriate personnel are informed
	4.3 Work area is cleaned and returned to approved condition
	4.4 Workplace records are completed

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency. Detail on appropriate performance levels for each furnishing unit of competency in reading, writing, oral communication and numeracy utilising the Australian Core Skills Framework (ACSF) are provided in the Furnishing Training Package Implementation Guide.

Range of Conditions

Specifies 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. Range is restricted to essential operating conditions and any other variables essential to the work environment.

- Unit context includes:**
- WHS requirements, including legislation, building codes, material safety management systems, hazardous and dangerous goods codes, and local safe operating procedures or equivalent
 - work is carried out in accordance with legislative obligations, environmental legislation, relevant health regulations, manual handling procedures and organisation insurance requirements
 - work requires individuals to demonstrate discretion, judgement and problem solving in the application of plural component coatings
- Application techniques and processes include:**
- brushing and spraying
- Surfaces include:**
- solid timber
 - manufactured board
 - metal
- Tools and equipment include:**
- liquid containers
 - rubber gloves
 - positive pressure air-wash face masks
 - positive pressure water-wash spray booths
 - protective clothing
 - spray guns
 - compressor
 - air lines
 - brushes
 - sanding block
 - orbital sanders
- Materials include:**
- two-part polyurethane

- Personal protective equipment includes:**
- two/three part polyester
 - acid catalysed lacquer
 - solvents
 - that prescribed under legislation, regulations and enterprise policies and practices

- Information and procedures include:**
- workplace procedures relating to the use of tools and equipment
 - work instructions, including job sheets, cutting lists, plans, drawings and designs
 - workplace procedures relating to reporting and communication
 - manufacturer specifications and operational procedures

Unit Mapping Information

Supersedes and is equivalent to LMFFF3003B Apply plural component coatings

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73>