



Australian Government

MSFFF2008 Apply surface coatings by hand

Release: 1

MSFFF2008 Apply surface coatings by hand

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers applying brushable coatings to surfaces by hand.

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 finish 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 operation for the surface coating task
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	Finishing materials required are identified and prepared for the task
		2.4	Trial applications of surface materials are made to check equipment operation, materials consistency and specified surface finish
		2.5	Faults are identified and workplace procedures for rectification are followed
3	Apply finishing materials	3.1	Techniques for hand application of materials are identified
		3.2	Finishing 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 refinished 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 surface coatings
Coatings include:	• one-pot polyurethane • enamel • acrylic • polish
Application methods include:	• brush • swooge
Surfaces include:	• solid timber • manufactured board • metal
Tools and equipment include:	• sanders • pneumatic or low-voltage electric buff • rubber sanding block • brushes and swooges
Materials include:	• water • detergent • wax • oil • enamel • acrylic • one-pot polyurethane • polish • methylated spirits • turpentine • terebine

- abrasive papers
 - cotton rags
 - steel wool
- Personal protective equipment includes:**
- 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 LMFFF2008B Apply surface coatings by hand

Links

Companion Volume implementation guides are found in VETNet -

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

Assessment Requirements for MSFFF2008 Apply surface coatings by hand

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Performance Evidence

- Interpret work order and locate and apply relevant information
- Apply safe handling requirements for equipment, products and materials, including use of personal protective equipment
- Identify materials used in the work process
- Follow work instructions, operating procedures and inspection processes to:
 - minimise the risk of injury to self or others
 - prevent damage to goods, equipment and products
 - maintain required production output and product quality
- Prepare for and apply coatings by hand on a minimum of five (5) occasions covering:
 - one (1) solid timber surface
 - one (1) manufactured board surface
 - one (1) metal surface
 - using four (4) different coatings:
 - one-pot polyurethane, acrylic, enamel and polish
- Maintain application equipment
- Use mathematical ideas and techniques to correctly complete measurements, calculate area and estimate material requirements
- Communicate ideas and information to enable confirmation of work requirements and specifications and the reporting of work outcomes and problems, interpret basic plans and follow safety procedures
- Minimise wastage of resources, including materials, time and money
- Work with others and in a team by recognising dependencies and using cooperative approaches to optimise work flow and productivity

Knowledge Evidence

- Identification of hand application techniques
- Characteristics of coatings, waxes and oils in terms of toxicity, reactivity, flammability and required viscosity.
- Methods to prevent contamination of surfaces during and after finishing
- Work flow in relation to the application of finishing material

Assessment Conditions

- Assessors must:
 - hold training and assessment competencies as determined by the National Skills Standards Council (NSSC) or its successors
 - have vocational competency in the furnishing industry at least to the level being assessed with broad industry knowledge and experience, usually combined with a relevant industry qualification
 - be familiar with the current skills and knowledge used and have relevant, current experience in the furnishing industry.
- Assessment methods must confirm consistency of performance over time rather than a single assessment event and in a range of workplace relevant contexts.
- Assessment must be by observation of relevant tasks with questioning on underpinning knowledge and, where applicable, multimedia evidence, supervisor's reports, projects and work samples.
- Assessment is to be conducted on single units of competency or in conjunction with other related units of competency. Foundation skills are integral to competent performance in the unit and should not be assessed separately.
- Assessment must occur on the job or in a workplace simulated facility with relevant process, equipment, materials, work instructions and deadlines.
- Access is required to hand finishing application equipment, coating materials and surfaces to be coated.

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