



Australian Government

MSFFF2016 Apply surface coatings by hand

Release: 1

MSFFF2016 Apply surface coatings by hand

Modification History

Release 1. Changes to code, application, elements, performance criteria. Foundation skills added. Range of conditions removed. Assessment requirements changed.

Application

This unit describes the skills and knowledge required to apply coatings to solid timber, manufactured board and metal surfaces by hand.

Workers with this competency complete routine tasks in the furniture finishing industry.

No licensing or certification requirements exist at the time of publication. Relevant legislation, industry standards and codes of practice within Australia must be applied.

Competency Field

Furniture finishing

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. Prepare for task	1.1 Determine task requirements, including characteristics of surface and required surface finish, from work documentation 1.2 Plan task by identifying processing and application techniques, time and safety requirements and efficient working methods in accordance with workplace procedures 1.3 Identify and follow work health and safety requirements 1.4 Identify and check materials, tools, equipment and accessories for safe and effective operation for the surface coating task
2. Prepare for application of materials	2.1 Check surfaces for contamination and correct preparation according to workplace procedures and standards 2.2 Identify and perform required repairs on products with surface or other faults 2.3 Identify and prepare required finishing materials 2.4 Perform trial applications of surface materials to check equipment operation, materials consistency and specified surface

Elements	Performance Criteria
	finish 2.5 Identify and rectify faults in accordance with workplace procedures
3. Apply finishing materials	3.1 Identify techniques for hand-applying materials 3.2 Apply finishing materials according to job instructions, material manufacturer specifications and workplace procedures 3.3 Inspect finished products and approve for suitability for further processing 3.4 Refinish products that do not meet quality specifications or tag for further investigation
4. Clean work area and maintain equipment	4.1 Check, clean and store equipment and unused materials in accordance with equipment instructions and workplace procedures 4.2 Tag unserviceable equipment, identify faults and inform appropriate personnel 4.3 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards 4.4 Complete required workplace records

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

- Reading skills to interpret familiar workplace procedures and work documentation
- Writing skills to communicate simple information in familiar workplace documents
- Numeracy skills to measure and calculate area and estimate material requirements.

Other foundation skills essential to performance are explicit in the performance criteria of this unit.

Unit Mapping Information

Release 1. Supersedes and is equivalent to MSFFF2008 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 MSFFF2016 Apply surface coatings by hand

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Performance Evidence

There must be evidence the candidate has completed all the tasks outlined in the elements and performance criteria of this unit, and demonstrated the ability to:

- prepare for and apply coatings by hand on a minimum of 5 occasions, covering:
 - one solid timber surface
 - one manufactured board surface
 - one metal surface.
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- hand application techniques, including use of brush and swooge
- 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
- workflow in relation to the application of finishing material
- common materials used in applying surface coatings by hand, including:
 - water
 - detergent
 - wax
 - oil
 - enamel
 - acrylic
 - one-pot polyurethane
 - polish
 - methylated spirits
 - turpentine
 - terebine
 - abrasive papers
 - cotton rags
 - steel wool

- typical tools and equipment required for applying surface coatings by hand, including:
 - sanders
 - pneumatic or low-voltage electric buff
 - rubber sanding block
 - brushes and swooges
- personal protective equipment (PPE) required for applying surface coatings by hand
- sources of workplace information, including:
 - workplace procedures relating to the use of tools and equipment
 - work instructions
 - workplace procedures for reporting and communication
 - manufacturer specifications and operational procedures
 - materials application and safety information, including material safety data sheets (SDS)
 - work health and safety requirements, including PPE.
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Assessment Conditions

Skills must have been demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies. The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - work orders
 - tools and equipment required for performance evidence
 - PPE
 - surfaces to be coated
 - coating materials
 - workplace procedures, manufacturing specifications, codes, standards, manuals, and reference materials.

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

Links

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