



Australian Government

MSFFM3039 Fabricate synthetic solid surface products

Release: 1

MSFFM3039 Fabricate synthetic solid surface products

Modification History

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

Application

This unit describes the skills and knowledge required to fabricate products containing synthetic solid surfaces such as acrylic or polyester. Products may include benchtops, edges, sinks, bowls and waterproof wall treatments. Workers with this competency follow established procedures in industries such as cabinet making and kitchen and bathroom installation using discretion, judgement and some problem solving.

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

Cabinetry and furniture

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 from design and other work documentation 1.2 Plan fabrication sequence and identify procedures for checking quality at each stage 1.3 Identify and follow work health and safety procedures 1.4 Select suitable work area for the task 1.5 Complete preparatory drawings and set-outs in accordance with job specifications 1.6 Develop cutting list for components in accordance with job specifications 1.7 Select tools and equipment and check that they are safe and functional 1.8 Check that materials meet task quality requirements

Elements	Performance Criteria
Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
2 Complete fabrication	2.1 Set out and prepare materials and mark components in accordance with work instructions 2.2 Use tools, equipment and machinery safely and in accordance with manufacturer specifications 2.3 Check product quality against specifications at each stage of fabrication 2.4 Confirm against set-outs for accuracy tolerances, fit and distortion 2.5 Fit components, accessories and decorative components in accordance with task specifications 2.6 Prepare product for final finish by removing bruises, scratches, dents and marks
3 Finalise operation	3.1 Clean work area, safely dispose of waste and identify items for recycling in accordance with workplace procedures and environmental standards 3.2 Clean machinery, complete routine maintenance and leave in safe mode in accordance with workplace procedures 3.3 Identify, tag and report faulty equipment in accordance with workplace procedures 3.4 Complete job documentation in accordance with workplace procedures

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 information in familiar workplace documents
- Numeracy skills measure and calculate area, estimate materials and interpret technical information on design documentation.

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 MSFFM3020 Fabricate synthetic solid surface products.

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 MSFFM3039 Fabricate synthetic solid surface products

Modification History

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

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:

- fabricate at least 3 synthetic solid surface products, including at least 1 full benchtop.
-

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- workplace procedures for:
 - work health and safety
 - quality assurance
 - reporting of machinery faults and material defects
- how to:
 - interpret furniture design documentation
 - prepare drawings and set-outs for synthetic solid surface products
- types and characteristics of synthetic solid surface materials
- tools and machinery commonly used in the fabrication of solid surface products
- personal protective equipment (PPE) required for fabrication of solid surface products.
-

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:
 - design documentation
 - unprocessed materials for fabrication
 - tools, equipment and machinery required for performance evidence
 - PPE
 - workplace procedures.

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=0601ab95-583a-4e93-b2d4-cfb27b03ed73>