



Australian Government

MSFFF3001 Match and make up colours

Release: 1

MSFFF3001 Match and make up colours

Modification History

Release 1 - New unit of competency

Application

This unit of competency covers matching and making up colours for surfaces which have previously been coated or polished, or for new work which must match existing work or a specified sample.

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	Plan and prepare work	1.1	Work instructions are used to determine job requirements, including design, colour, finish process and quality
		1.2	Work health and safety (WHS) requirements, including personal protection needs, are observed throughout the work
		1.3	Colour matching aids and colouring materials are accessed and readied for use
		1.4	Types of colouring materials are identified and prepared for colouring task
		1.5	Tools, equipment and accessories are identified and checked for safe and effective operation
2	Match colours	2.1	Surfaces are cleaned and prepared to enable accurate

		colour matching
	2.2	Characteristics of the surface and the impact of these on colouring are taken into account
	2.3	Techniques for colour application are identified and selected according to workplace practices
	2.4	Properties of colouring agents are assessed in relation to the specific circumstances
	2.5	Colour matching techniques are applied to identify most likely fit in terms of product, colour and application techniques
	2.6	Colour matching outcomes are confirmed through trials of proposed products, colours and application techniques
	2.7	Colour matching formulae are recorded to enterprise or industry standards
3	Make up colours	3.1 Product quantities are identified from client demand or accurate assessment of coating/colouring requirement
		3.2 Colouring additives are calculated from manufacturer specifications
		3.3 Colouring additives are accurately measured and blended with the base product
4	Apply colours	4.1 Colour solution is applied in accordance with selected application techniques and workplace procedures
		4.2 Colour application is constantly checked against sample colour
		4.3 Surface is inspected for faults in applied colour film and defects are rectified
		4.4 Coloured or matched up surface is sealed with finishing material in accordance with job specification and workplace procedures
5	Clean up work area	5.1 Colouring materials are stored and labelled ready for next process
		5.2 Waste and unwanted material is disposed of safely and in accordance with relevant environmental regulations
		5.3 Unused materials are sealed and stored

5.4 Tools and equipment are cleaned, maintained and stored

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: | <ul style="list-style-type: none">• 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 some discretion, judgement and problem solving in the accurate matching of colours |
| Tools and equipment include: | <ul style="list-style-type: none">• mixing pots• brushes• spray equipment and mechanical mixer/vibrator• colour rubber• colour wad |
| Materials include: | <ul style="list-style-type: none">• spirit-based stains• pigments• lacquers• oil varnish• two-part polyurethane• methylated spirits• lacquer thinners• mineral turpentine and polish |

Colouring agents include:

- pigments
- dyes
- stains
- universal tinters and toning lacquer

Properties of colouring agents include:

- colour
- specific gravity
- staining power
- refractive power
- texture
- durability
- opacity
- spreading power
- toxicity and oil absorptive power

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 LMFFF3001B Match and make up colours

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 MSFFF3001 Match and make up colours

Modification History

Release 1 - New unit of competency

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
- Accurately colour match using pigments and/or stains on a minimum of five (5) occasions
- Record colour formulae for production situations
- 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

- Types, characteristics and degradation patterns of coatings and stains
- Properties of coated and stained surface materials and the impact of these on colouring
- Types, characteristics, uses and limitations of colouring agents
- Types, uses and limitations of matching aids
- Product catalogues and other information systems
- Material safety management systems and related safety requirements

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 sample colouring requirements, colouring agents, base coating products, mixing and testing equipment, and cleaning equipment and materials.

Links

Companion Volume implementation guides are found in VETNet -

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