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MSFFL3024 Apply water-based coatings to timber flooring

Release: 1

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Modification History

Release 1 - New unit of competency

Application

This unit of competency covers selecting water-based coating systems appropriate for the job, preparing for the work and applying the selected coatings to timber and parquetry floors.

Licensing, legislative or certification requirements may apply to this unit and relevant state/territory and local government agencies should be consulted to determine any necessary certification or licensing for undertaking flooring work. Access to construction sites requires certification of general induction training specified by the National Code of Practice for Induction for Construction Work (ASCC 2007).

Pre-requisite Unit

Competency Field

Unit Sector

Flooring technology

Elements and Performance Criteria

Elements describe the essential outcomes.	Performance criteria describe the performance needed to demonstrate achievement of the element.
1 Identify and prepare for work requirements	1.1 Applicable work health and safety (WHS), legislative and organisational requirements relevant to the application of water-based coatings to timber flooring are verified and complied with
	1.2 Instructions and/or plans are read and interpreted to identify process required to complete work tasks
	1.3 Water-based coating material is selected with regard to durability, longevity, aesthetics, manufacturer recommendations and client expectations
	1.4 Selected coating materials are assessed as being compatible with each other, with the surface to be

			finished and with manufacturer recommendations
		1.5	Tools, equipment and materials are selected and checked prior to use to ensure that they are appropriate for the work, serviceable and in a safe condition
		1.6	Surface to be finished is inspected and assessed as being ready for coating and barrier signs to coating area are erected
		1.7	Work sequence is planned to ensure efficiency and quality of application
		1.8	WHS requirements, including isolation, ventilation and other personal protection needs, are observed throughout the work
2	Apply finishing system	2.1	Ventilation is checked before chemical fumes are released, and all WHS requirements are met, including use of personal protective equipment
		2.2	Environmental protection regulations are complied with
		2.3	Water-based coating material is applied in accordance with manufacturer recommendations
		2.4	Recommended drying times between coats are observed
		2.5	Buffing or sanding between coats, where required, is carried out according to manufacturer recommendations
		2.6	Final finish meets the requirements of the job
		2.7	Floor maintenance instructions and warranty provisions are provided to the client, where required, in accordance with workplace procedures
3	Complete housekeeping	3.1	Unused materials are resealed and stored
		3.2	Tools and equipment are cleaned, maintained and stored
		3.3	Work area is cleaned and waste material is removed and disposed of safely
		3.4	Barriers and signs are removed and stored
		3.5	Workplace documentation/reporting is 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 some discretion, judgement and problem solving
Water-based coating materials include:	• water-based polyurethanes which may have matt, satin or gloss finish
Tools and equipment include:	• orbital sander
	• rotary sander
	• hand sander
	• vacuum cleaner
	• brushes
	• applicators
	• rollers
	• roller tray
	• hammer
	• nail punch
	• spatula
Surfaces to be finished include:	• traditional tongue and grove strip flooring
	• gluedown or floating strip flooring
	• engineered timber flooring
	• block or mosaic parquetry flooring

Surface inspection includes:	• ensuring that surface is free from dust and debris, moisture content is acceptable and stable and any preservatives, protective coatings or other contaminants are adequately removed
Work sequence includes:	• preparation • inspection • coating applications and intermediate steps • finalisation • acceptance inspection

WHS requirements include:	• personal protective equipment which is to include that prescribed under legislation, regulation and enterprise policies and practices, and include:
	  • isolation processes, including barriers, tapes and entry access controls
	  • breathing support and ventilation extraction systems

Application methods include:	• rags • brushes • rollers • applicators • spatula
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 LMFFL3403A Apply water-based coatings to timber flooring

Links

Companion Volume implementation guides are found in VETNet - https://vetnet.education.gov.au/Pages/TrainingDocs.aspx?q=0601ab95-583a-4e93-b2d4-cfb27b03ed73