



Australian Government

MSFFL3073 Mix and apply thin-film broadcast resin flooring systems

Release: 1

MSFFL3073 Mix and apply thin-film broadcast resin flooring systems

Modification History

Release 1. New unit.

Application

This unit describes the skills and knowledge required to prepare and apply broadcast flooring systems.

This unit applies to flooring technicians working in accordance with pre-determined work orders.

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 for Induction for Construction Work (ASCC 2007).

Pre-requisite Unit

N/A

Unit Sector

Flooring technology

Elements and Performance Criteria

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Prepare for the work	1.1 Identify and follow work health and safety, legislative, and organisational requirements 1.2 Correctly interpret work orders and confirm job requirements 1.3 Select and check tools and equipment for suitability, serviceability and safety prior to use 1.4 Plan application with respect to specified film thickness and/or consumption, cutting in, boundaries, seams, joints and exit points
2. Prepare substrate	2.1 Inspect condition of the mechanically prepared subfloor and confirm suitability for required finish consistent with manufacturer

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	recommendations 2.2 Remove dust and debris from the substrate prior to application, and control sources
3. Set out work area	3.1 Establish mixing area in suitable area and select surface protection measures and apply to areas not being coated 3.2 Check coating materials for correct quantities, undamaged packaging and no obvious discrepancies in colour and viscosity 3.3 Select suitable masking tape and correctly apply to mark off edges, transitions and other floor boundaries
4. Prepare broadcast system	4.1 Correctly fit personal protective equipment (PPE) before handling coating materials 4.2 Accurately measure component quantities and mix in accordance with supplier instructions
5. Apply broadcast system	5.1 Apply mixed basecoat in accordance with supplier application notes 5.2 Apply aggregate broadcast in accordance with supplier application notes and finish requirements 5.3 Prepare cured basecoat in readiness for topcoat application 5.4 Apply mixed topcoat in accordance with supplier application notes 5.5 Check coating applications for quality at each stage and rectify any deficiencies
6. Complete housekeeping	6.1 Check, clean and store tools and equipment in accordance with workplace procedures 6.2 Store and seal unused coating materials in accordance with supplier instructions 6.3 Clean work area and dispose of rubbish safely 6.4 Accurately complete required workplace documentation

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

No equivalent unit.

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 MSFFL3073 Mix and apply thin-film broadcast resin flooring systems

Modification History

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Performance Evidence

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

- applied the following range of thin-film broadcast flooring systems in accordance with job requirements:
 - 1 flake flooring system to an area of at least 10m²
 - 1 flake flooring system to an area of more than 10m²
 - 1 non-slip flooring system to an area of more than 10m²
 - 1 broadcast flooring system (flake or non-slip) to an area of more than 50m².

Knowledge Evidence

There must be evidence the candidate has knowledge of:

- key aspects of state or territory legislation, regulations, standards and codes of practice, including individual technician rights and obligations relating to:
 - workplace health and safety
 - consumer law
 - environmental protection and sustainable use of materials
- how to access supplier application notes
- types, characteristics, uses and limitations of broadcast flooring systems
- mathematical procedures for estimation and measurement, including calculation of area and use of ratios for mixing
- types, uses and limitations of tools and equipment used in broadcast applications
- characteristics and requirements of suitable substrate preparation, including different methods and products used to profile, repair, prime and clean
- the features and layout of an effective mixing area
- taping techniques to protect surfaces that aren't to be coated, including walls, edges, transitions and boundaries on the floor
- personal protective equipment (PPE) and correct usage
- techniques for the following, the types of problems that may occur and how to avoid and respond:
 - measuring out and mixing broadcast flooring systems, including aggregate, pigment, fillers and stir-in additives

- applying thin-film broadcast flooring systems, including broadcasting, cutting in, brushing, spreading with a squeegee and rolling
- characteristics and requirements of suitable preparation between coats
- quality indicators for finished flooring system
- cleaning and storage procedures for PPE, tools, equipment and unused materials
- disposal procedures for waste materials
- requirements and protocols for recording, reporting and maintaining workplace records and information.
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Assessment Conditions

The following aspects of the Performance Evidence must have been demonstrated and directly observed by the assessor in the workplace or in a simulated environment that reflects workplace conditions and contingencies:

- application of a flake flooring system to an area of at least 10m².

Remaining aspects of the Performance Evidence may be demonstrated in the workplace or in a simulated environment that reflects workplace conditions and contingencies but there is no requirement for direct observation by the assessor.

The following conditions must be met for this unit:

- use of suitable facilities, equipment and resources, including:
 - locations requiring broadcast flooring
 - work orders
 - tools and equipment to complete tasks in the Performance Evidence, including safety and personal protective equipment
 - workplace procedures.

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

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