



Australian Government

MSFFL2032 Select, prepare and apply moisture barriers to concrete subfloors

Release: 1

MSFFL2032 Select, prepare and apply moisture barriers to concrete subfloors

Modification History

Release 1. Supersedes and is not equivalent to MSFFL2009 Select, prepare and apply moisture barriers and damp-proof membranes to concrete sub-floors.

Application

This unit describes the skills and knowledge required to apply moisture barriers in readiness for the installation of floor coverings and coatings.

This unit applies to flooring technicians preparing floors 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. Industry standards and codes of practice within Australia must also be applied. 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

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 work	1.1 Identify and follow work health and safety, legislative and organisational requirements 1.2 Read documentation and identify work requirements and process 1.3 Inspect subfloors in accordance with Australian Standards and identify treatment system 1.4 Select and check tools, equipment and materials for suitability, serviceability and safety prior to use

Elements	Performance Criteria
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
	1.5 Access safety data sheets (SDS), or equivalent, and apply to work 1.6 Prepare materials and equipment and safely position for use 1.7 Prepare surfaces in accordance with manufacturer recommendations
2. Apply moisture suppressant	2.1 Apply surface coating to required depth and coverage in accordance with manufacturer specifications and job requirements 2.2 Check subfloor is clear for application of moisture barrier in accordance with requirements
3. Apply moisture barrier	3.1 Establish moisture type as hydrostatic pressure, capillary moisture, or new concrete with high moisture content 3.2 Establish moisture content as reducing, construction moisture or a result of damaged membrane or capillary action 3.3 Strengthen all corners, cracks and other penetrations in accordance with manufacturer instructions 3.4 Lay barrier material with required number of coats in accordance with manufacturer instructions 3.5 Check subfloor for compliance with quality requirements and identify and rectify deficiencies
4. Complete housekeeping	4.1 Store or recycle unused materials in accordance with workplace procedures 4.2 Clean remains of compounds used and dispose of appropriately 4.3 Check, clean and store tools and equipment in accordance with workplace procedures 4.4 Clean work area, remove waste material and dispose of safely 4.5 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 MSFFL2032 Select, prepare and apply moisture barriers to concrete subfloors

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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:

- completed 2 moisture suppressant and barrier installations:
 - 1 moisture barrier (dealing with an external moisture problem that may be due to hydrostatic pressure or capillary action)
 - 1 moisture suppressant (dealing with construction moisture in green concrete).
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Knowledge Evidence

There must be evidence the candidate has knowledge of:

- mathematical procedures for estimation and measurement, including calculation of area and estimation of material requirements
- application of moisture suppressant and barrier systems:
 - Australian Standards requirements
 - workplace safety system requirements
 - environmental protection and sustainability requirements
 - work flow
 - types, characteristics, safe use, maintenance and limitations of tools and equipment used during work process
 - types, characteristics, uses and limitations of moisture barriers and moisture suppressants
 - techniques for the application of products, the types of problems that may occur and how to avoid and respond
- procedures for the recording, reporting and maintenance of workplace records and information.
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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:
 - concrete subfloors to be treated
 - equipment, tools and materials to complete tasks in the Performance Evidence
 - safety data sheets
 - work orders
 - workplace procedures.

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

Links

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